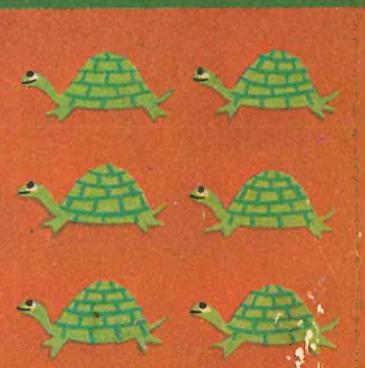




# One by One



GROWTH IN ARITHMETIC: GRADE 1



1 one

2 two

3 three

4 four

5 five

6 six

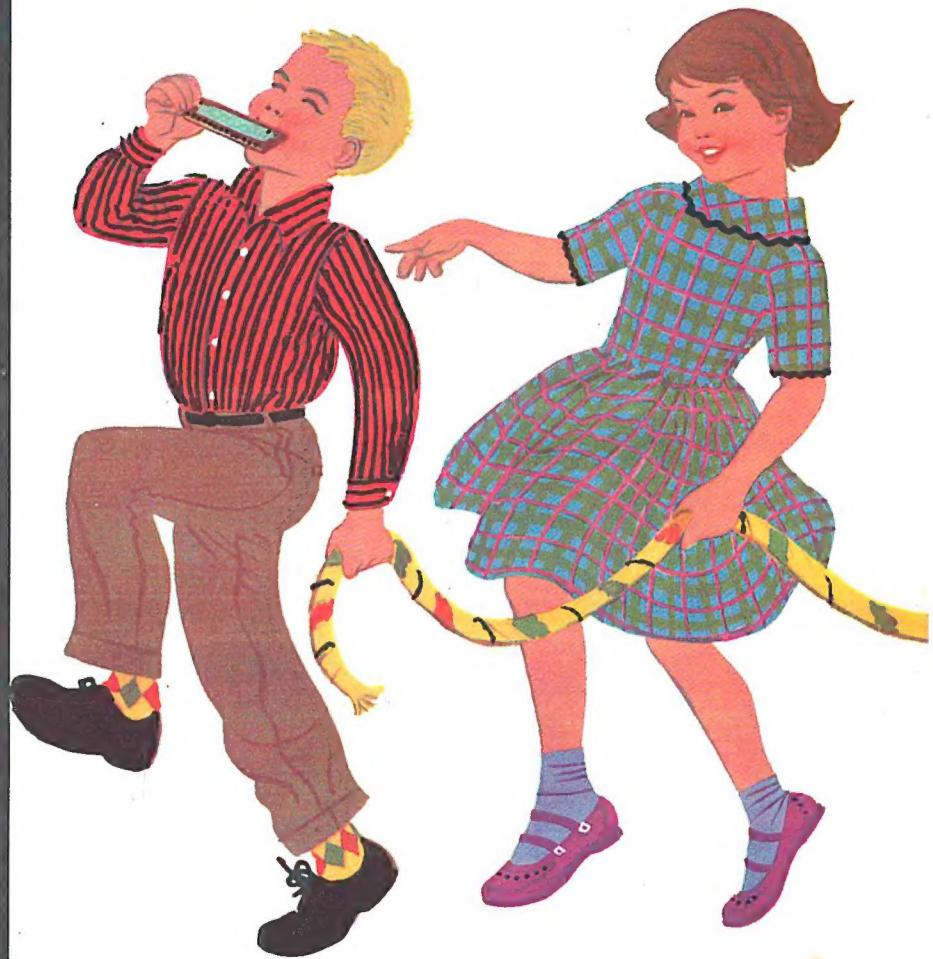
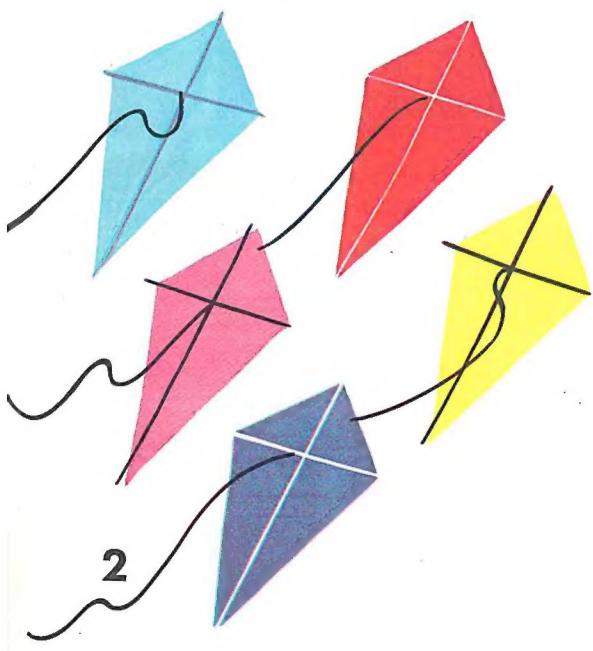
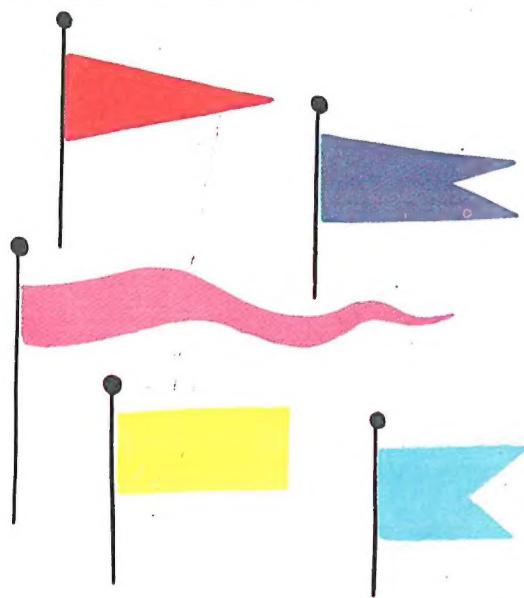
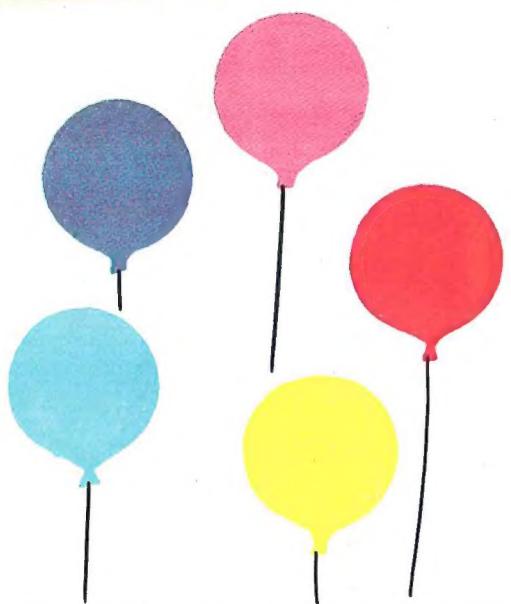
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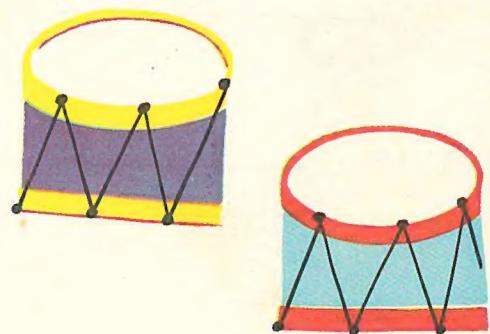
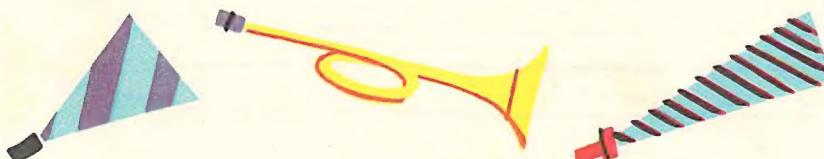
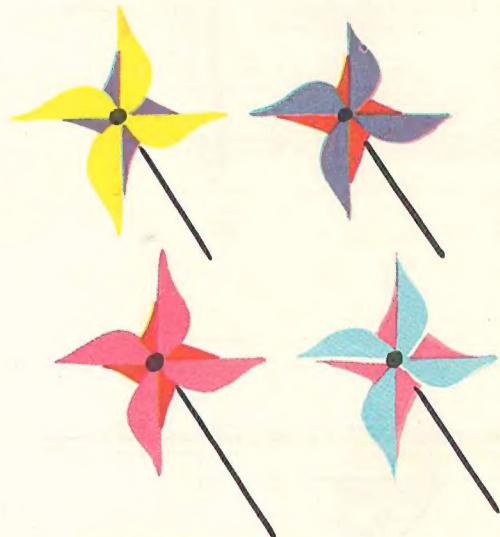
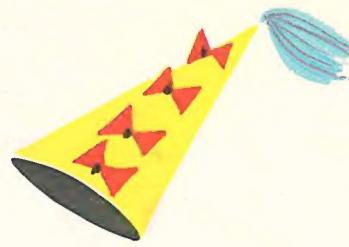
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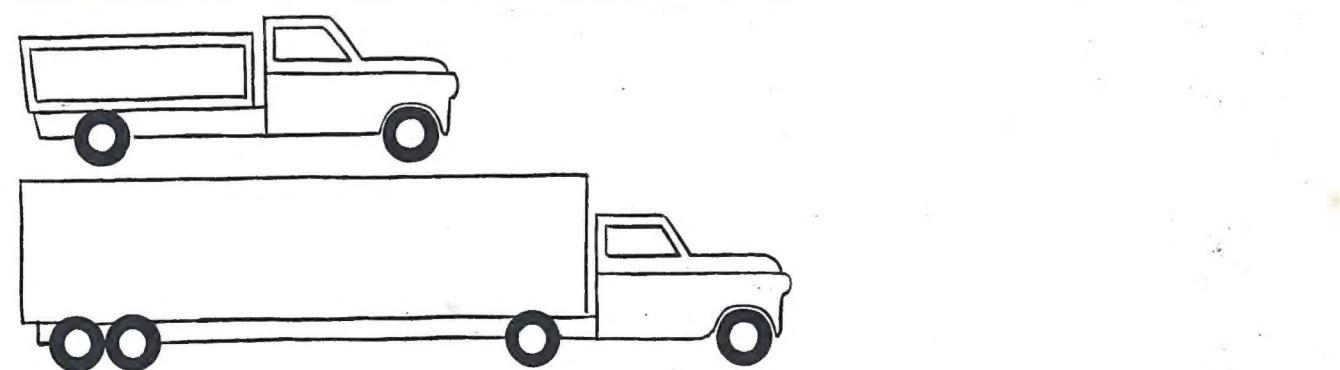
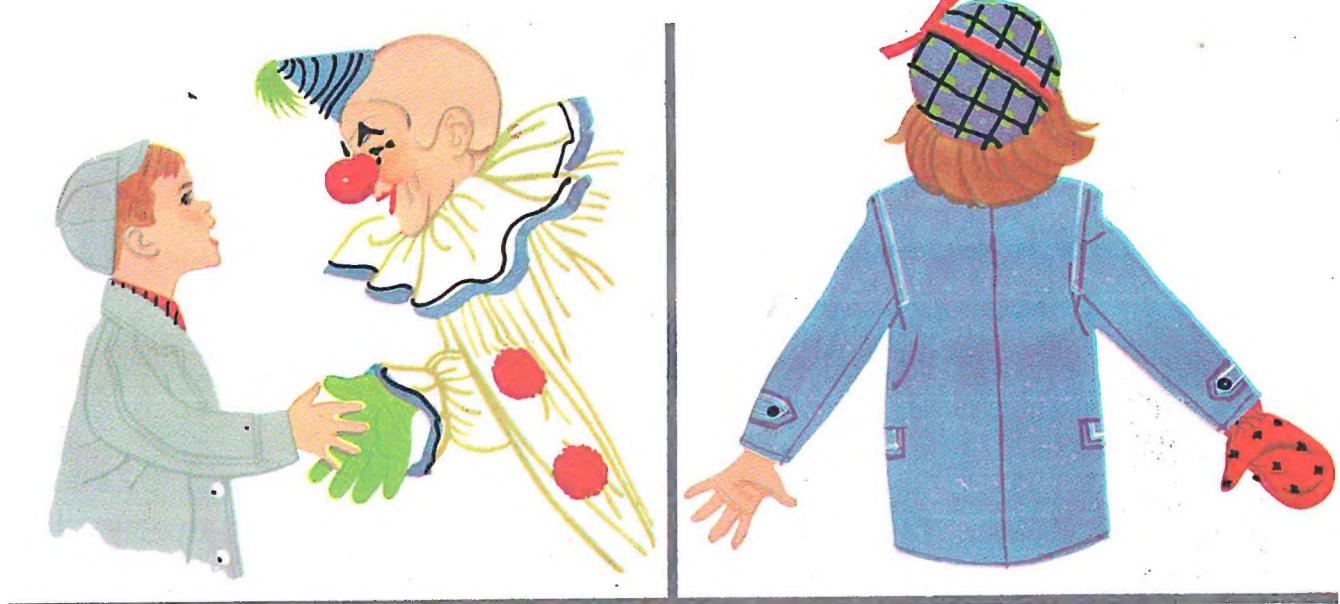
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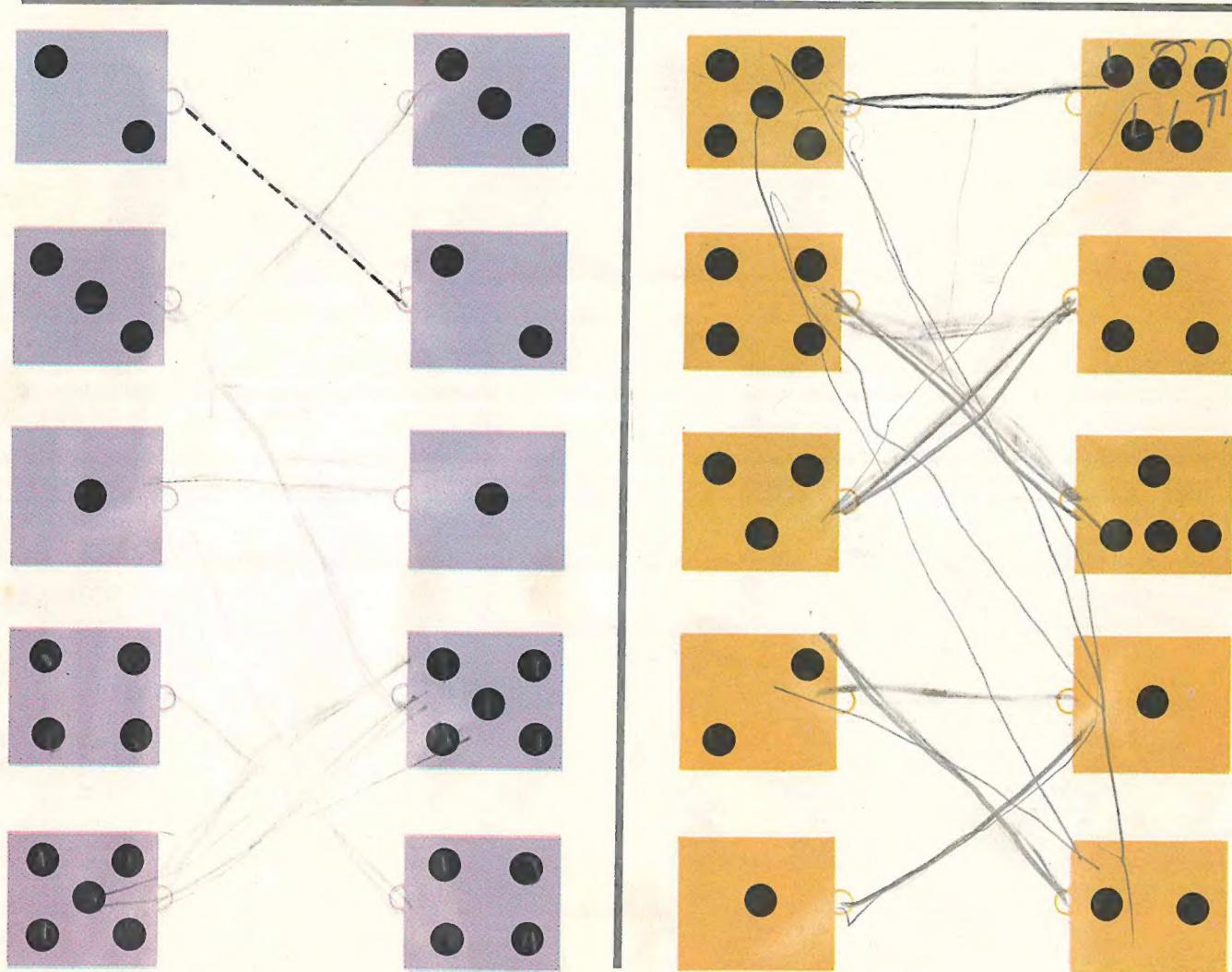
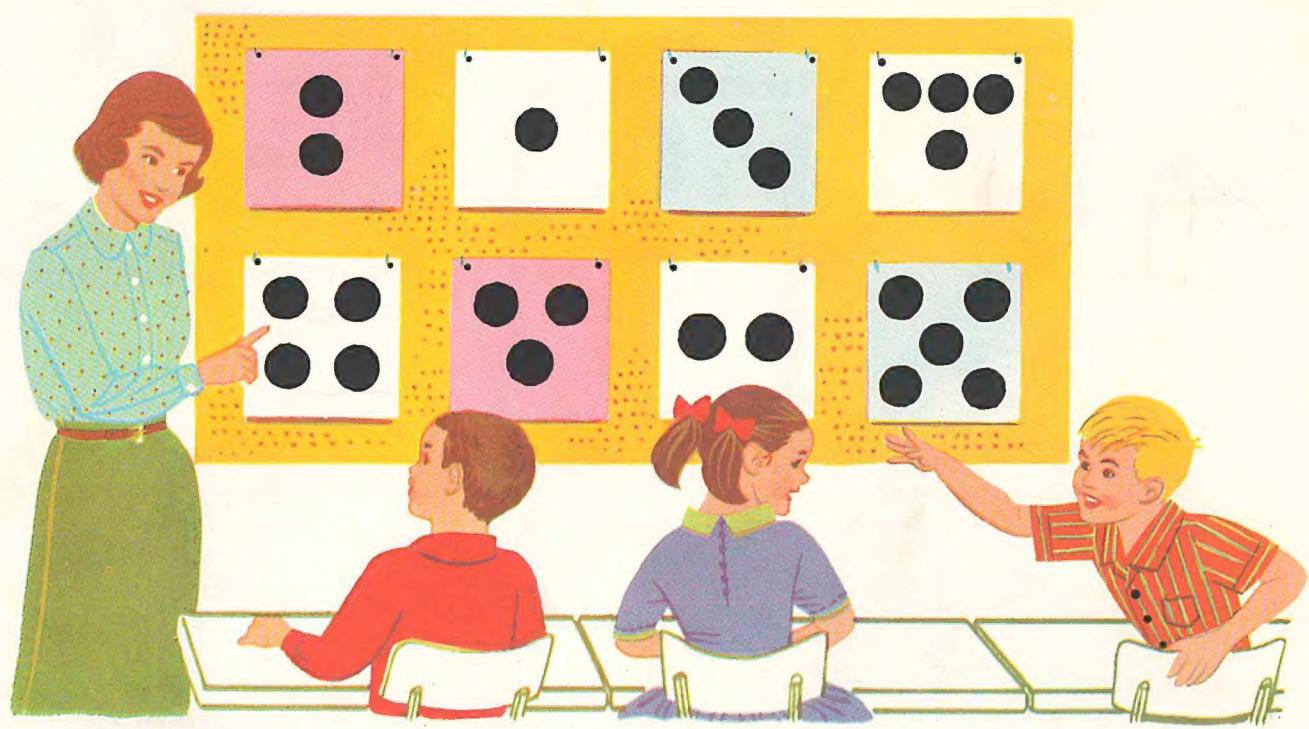
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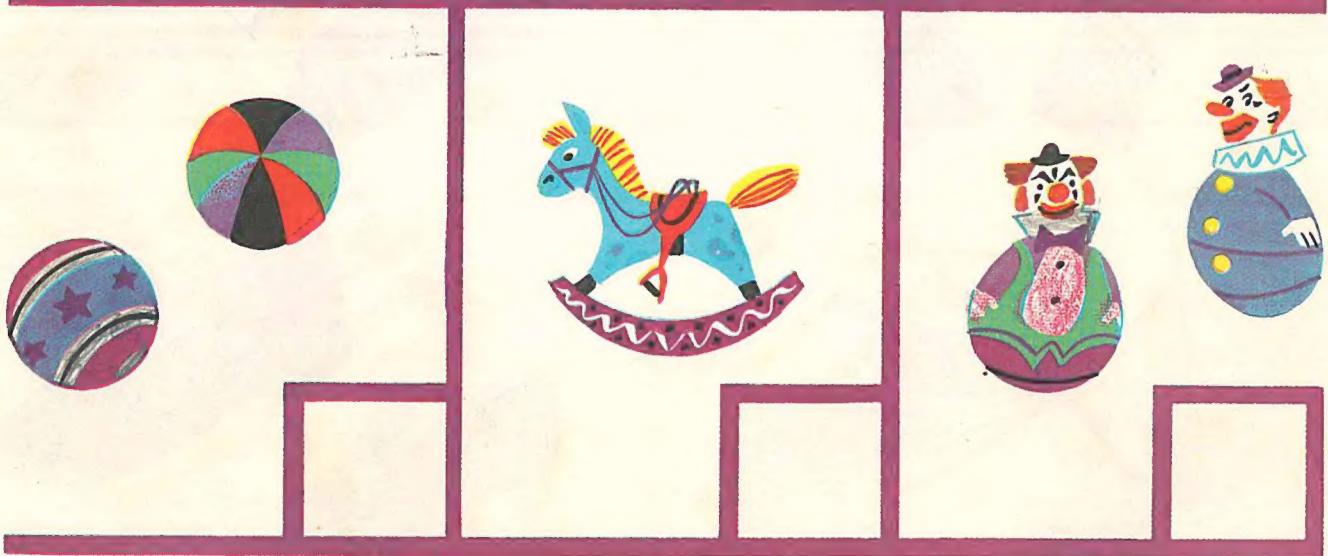
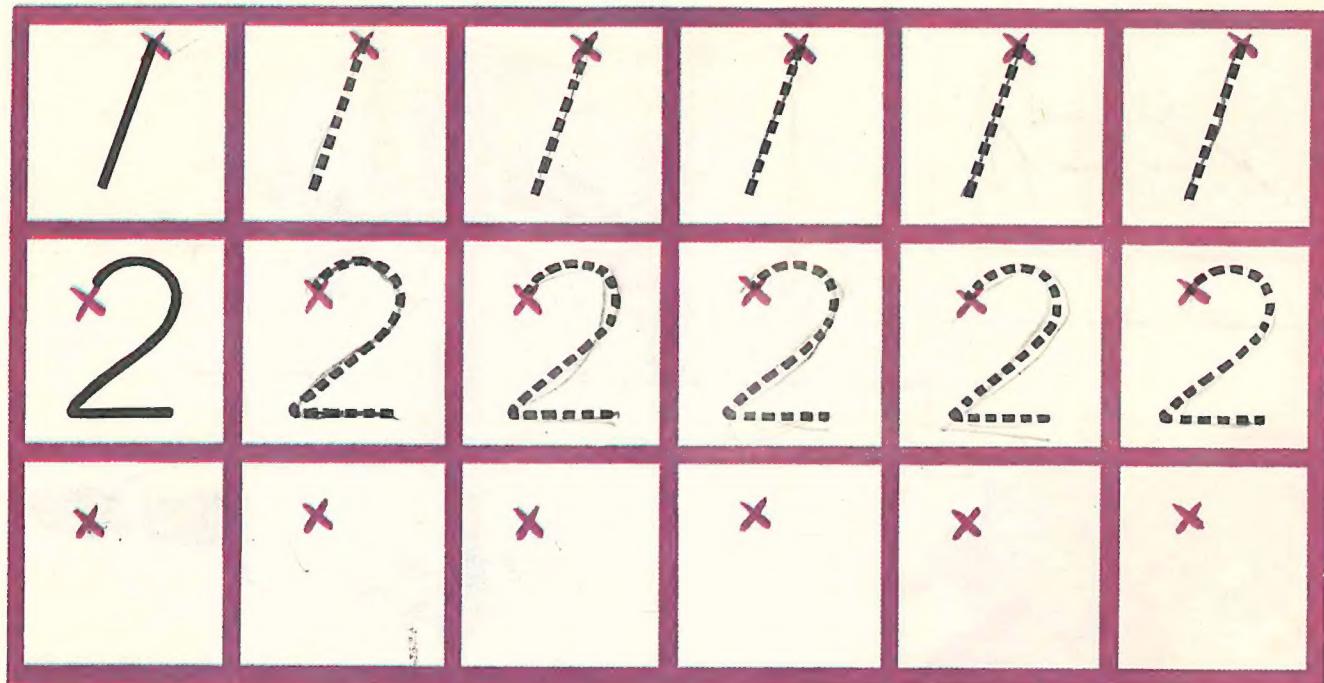


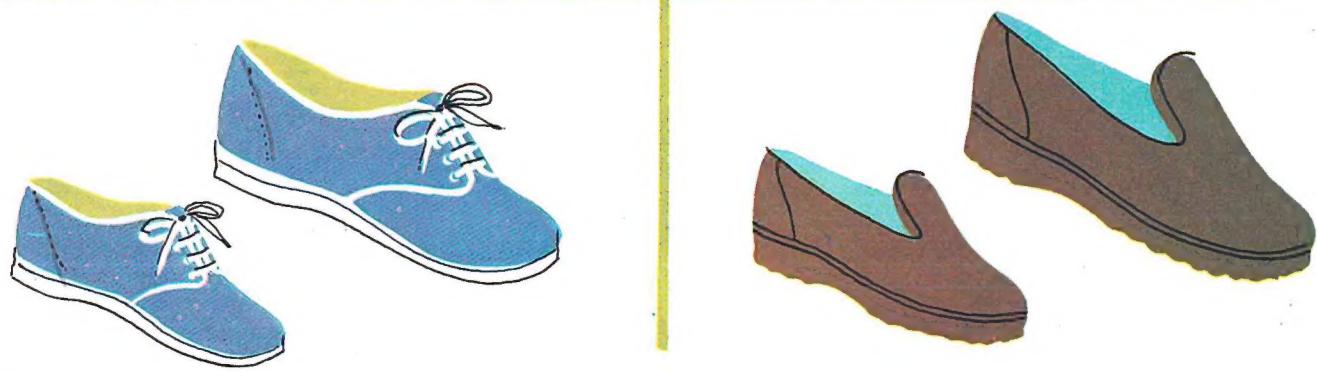


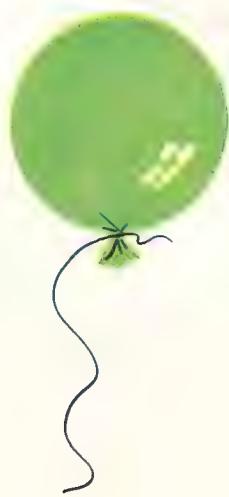


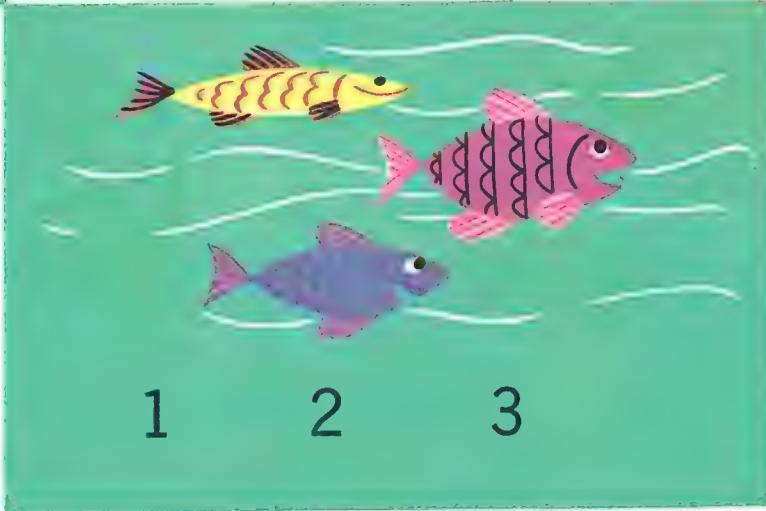
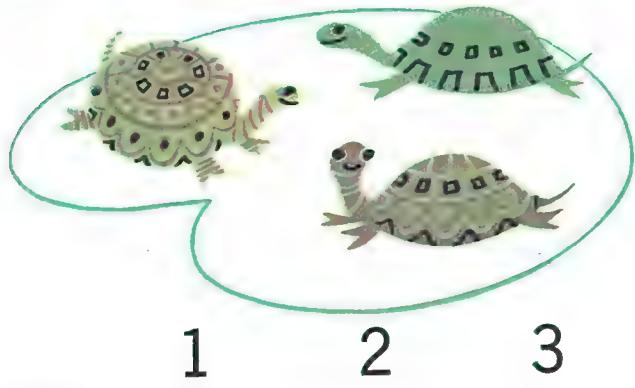
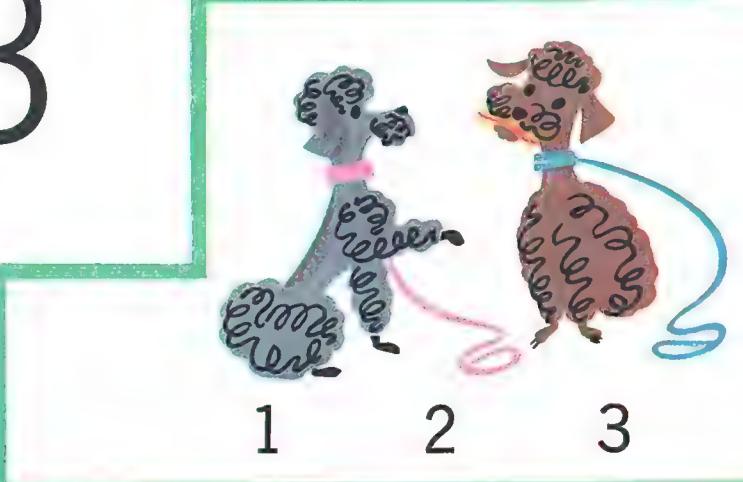
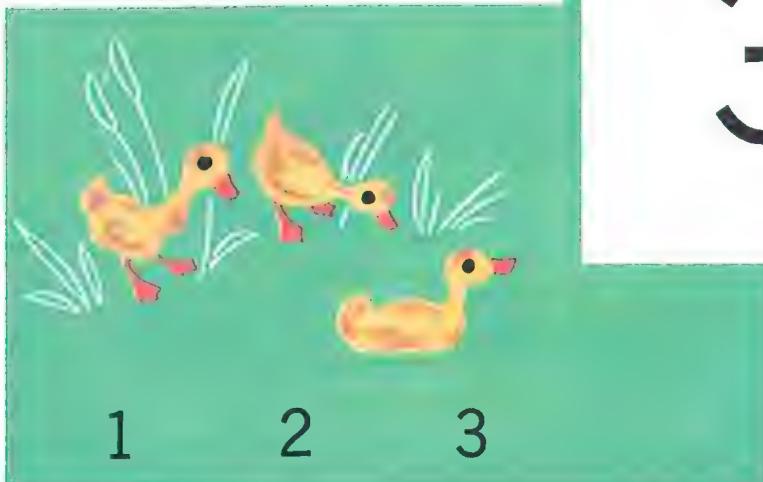
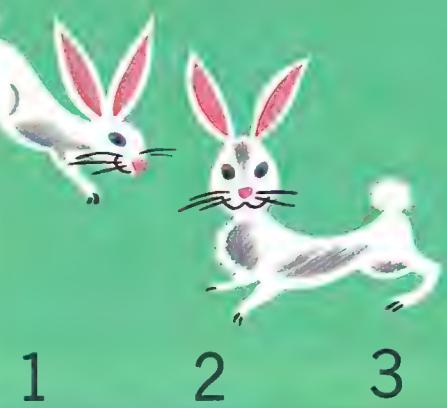
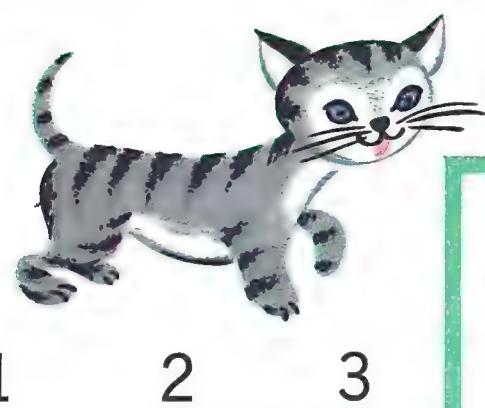


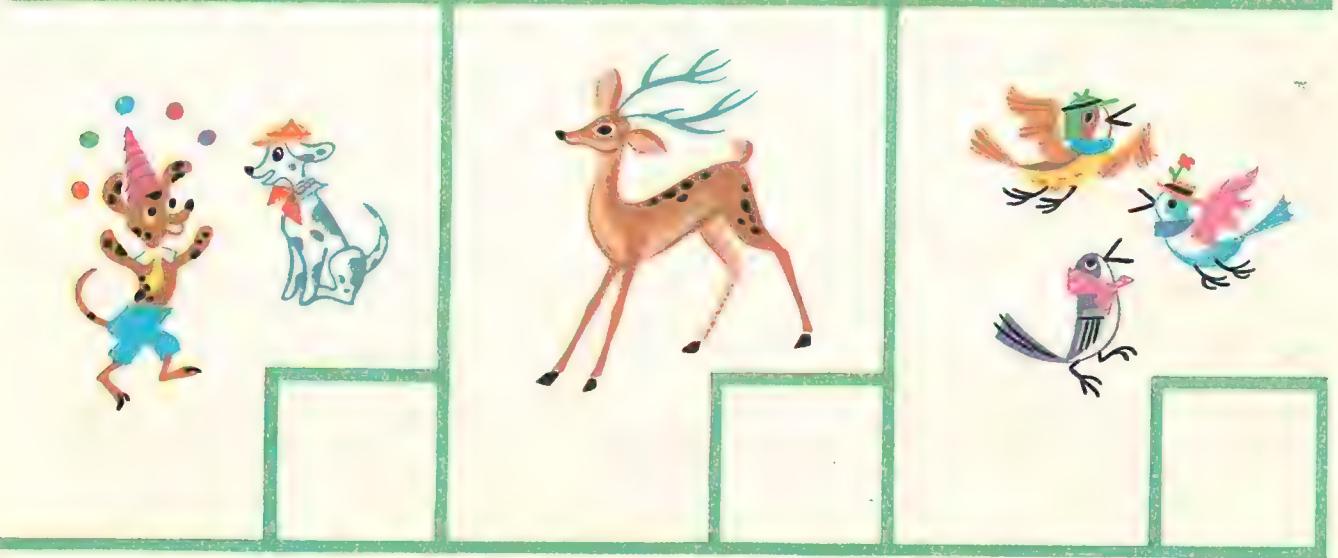
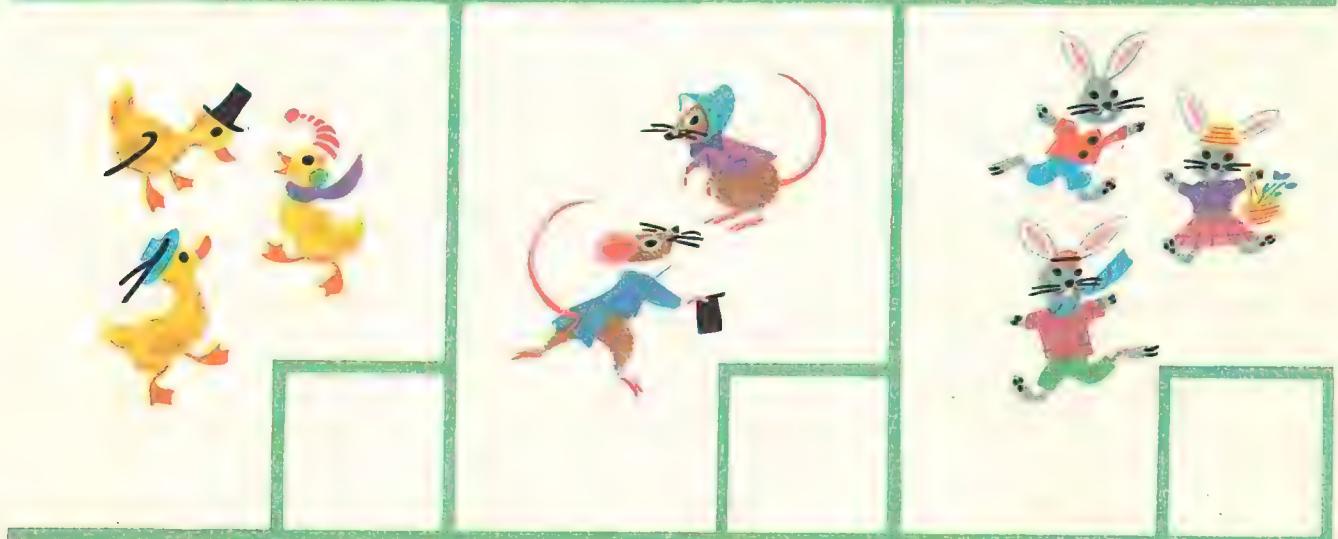
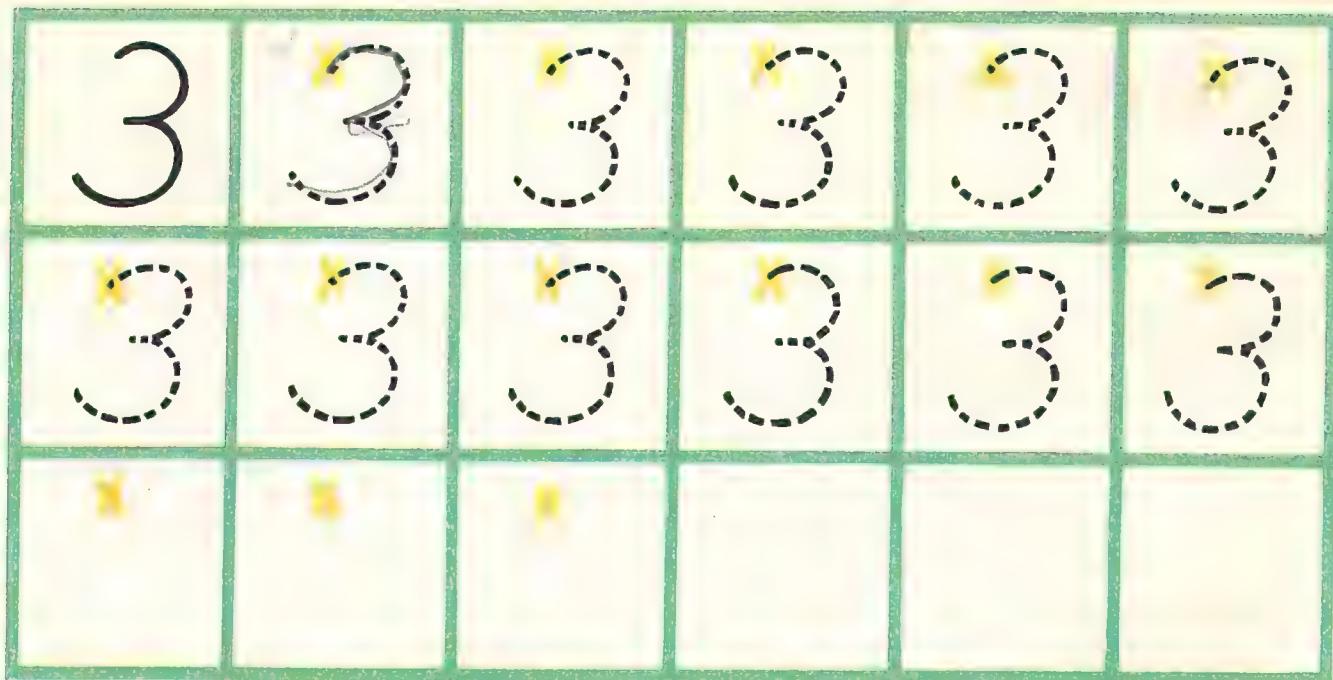
















1 one

2 two

3 three



one two three



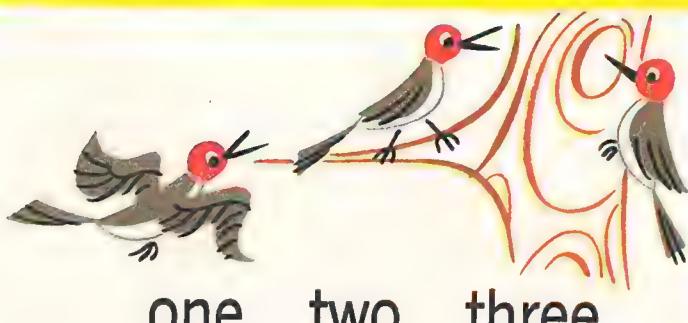
one two three



one two three



one two three



one two three



one two three



2 3 4



2 3 4



2 3 4

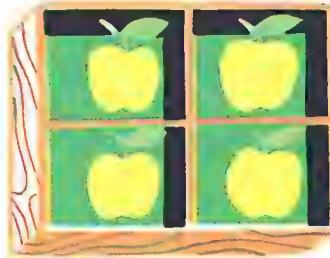


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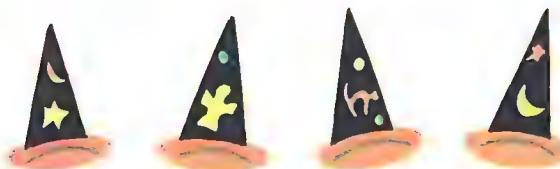


2 3 4

4



2 3 4

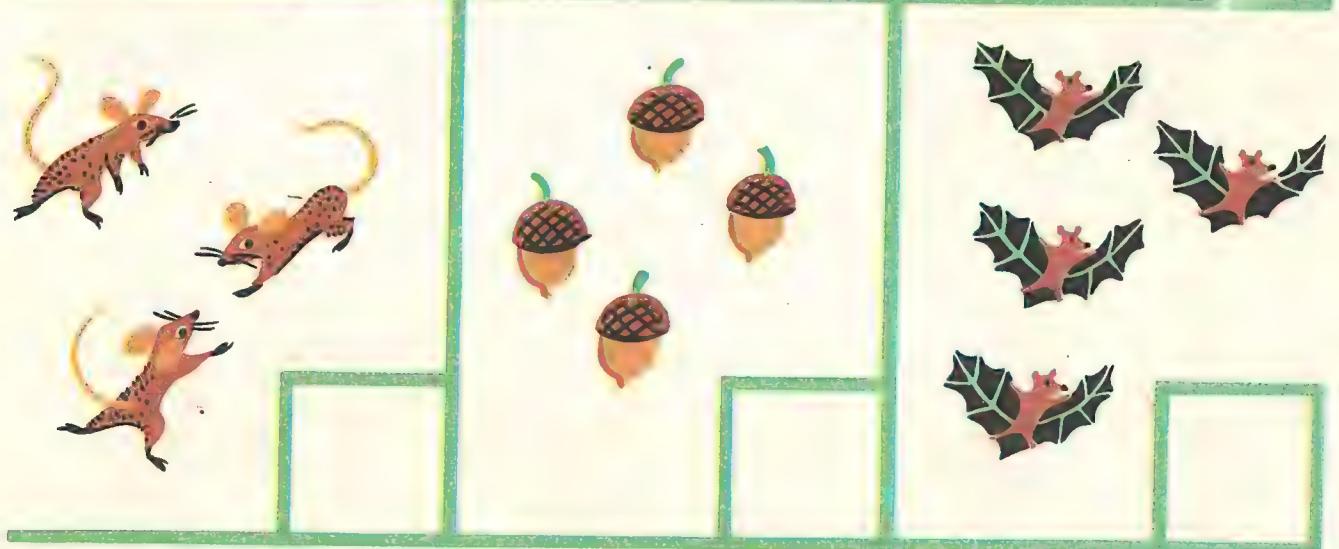
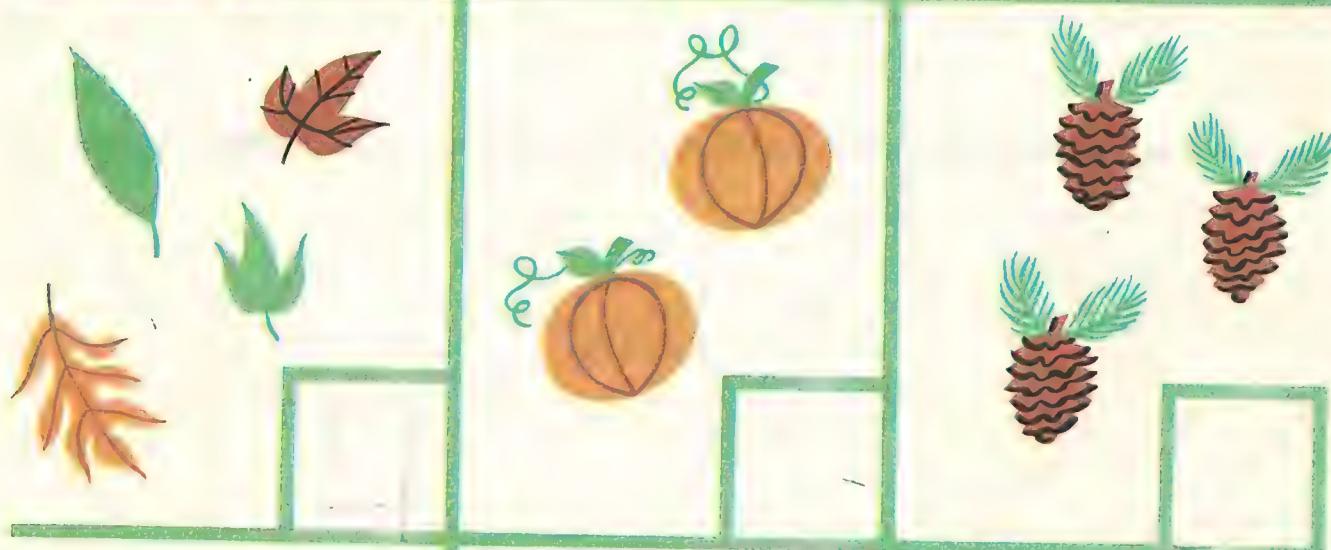
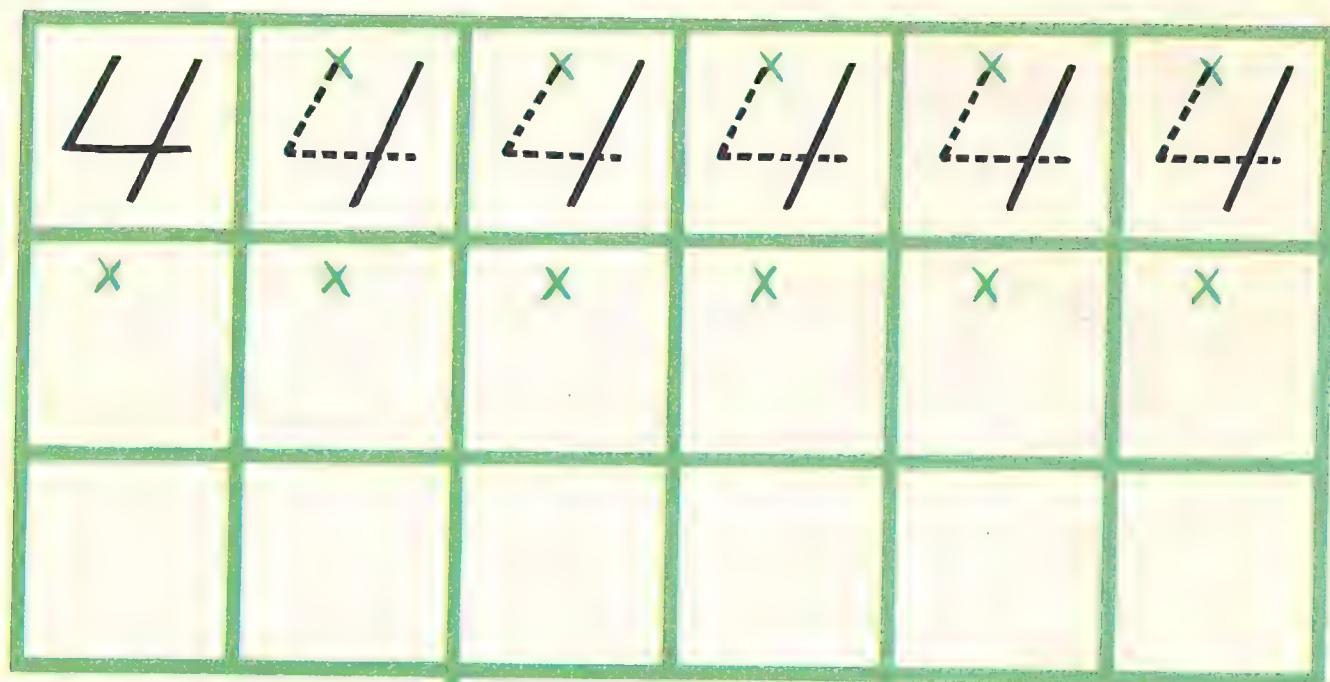


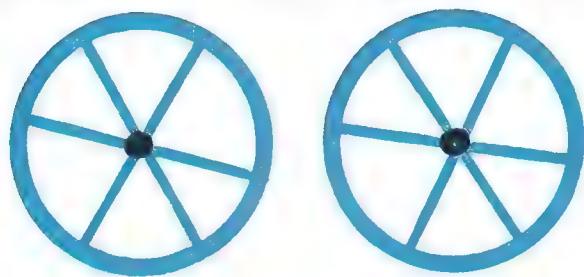
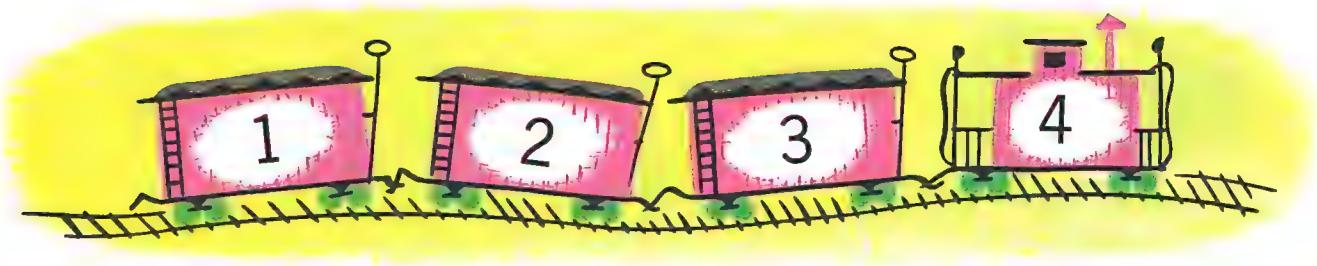
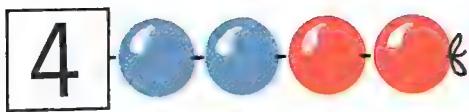
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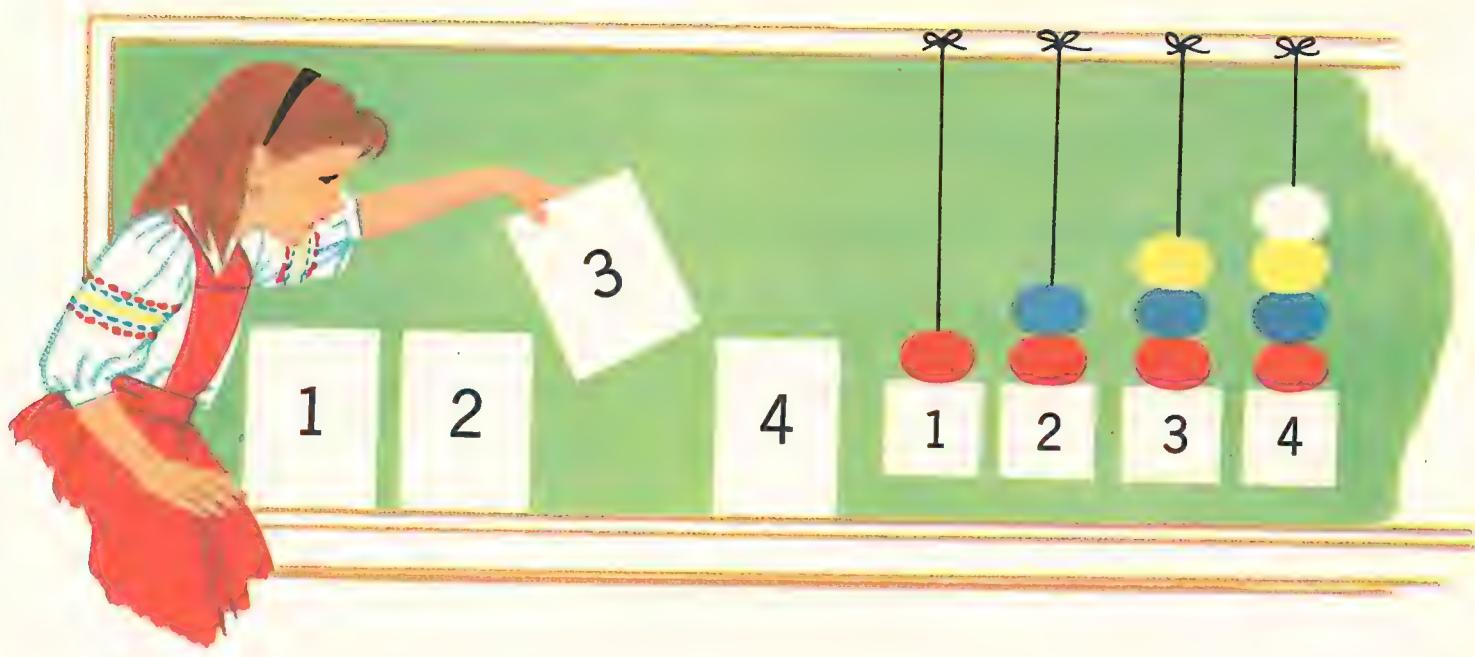
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2 3 4

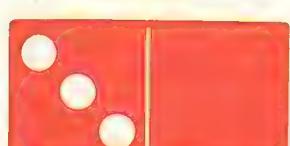
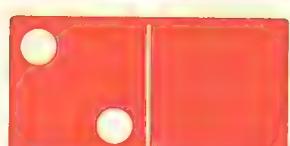


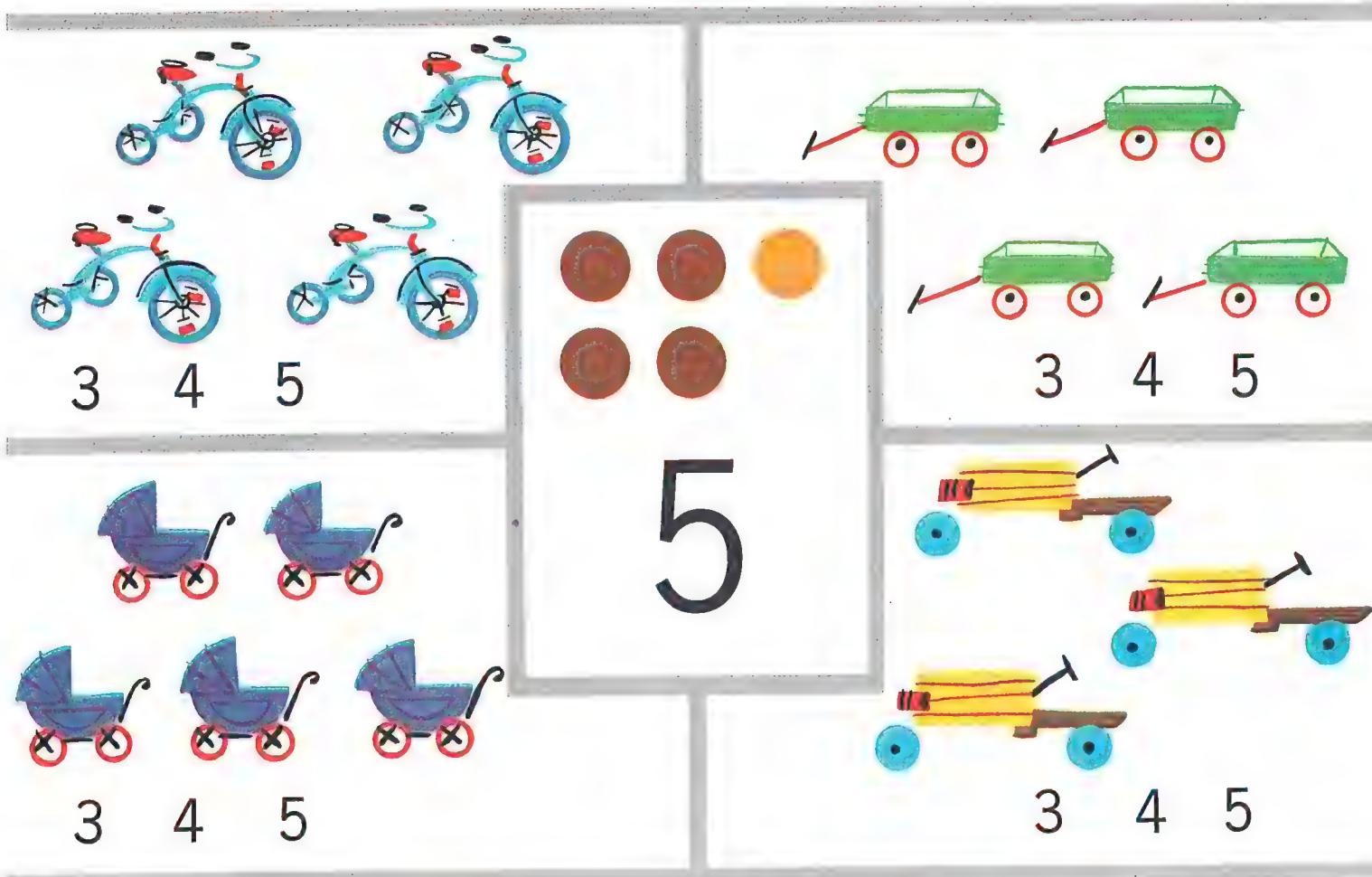
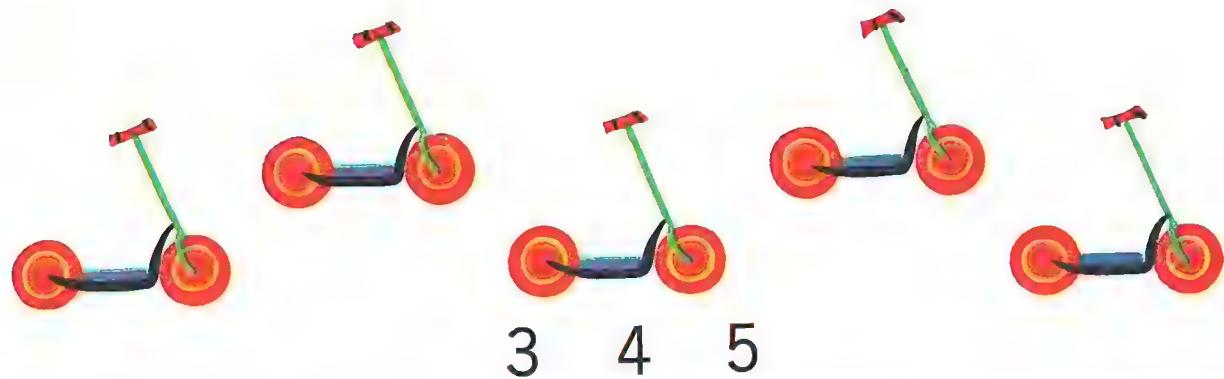


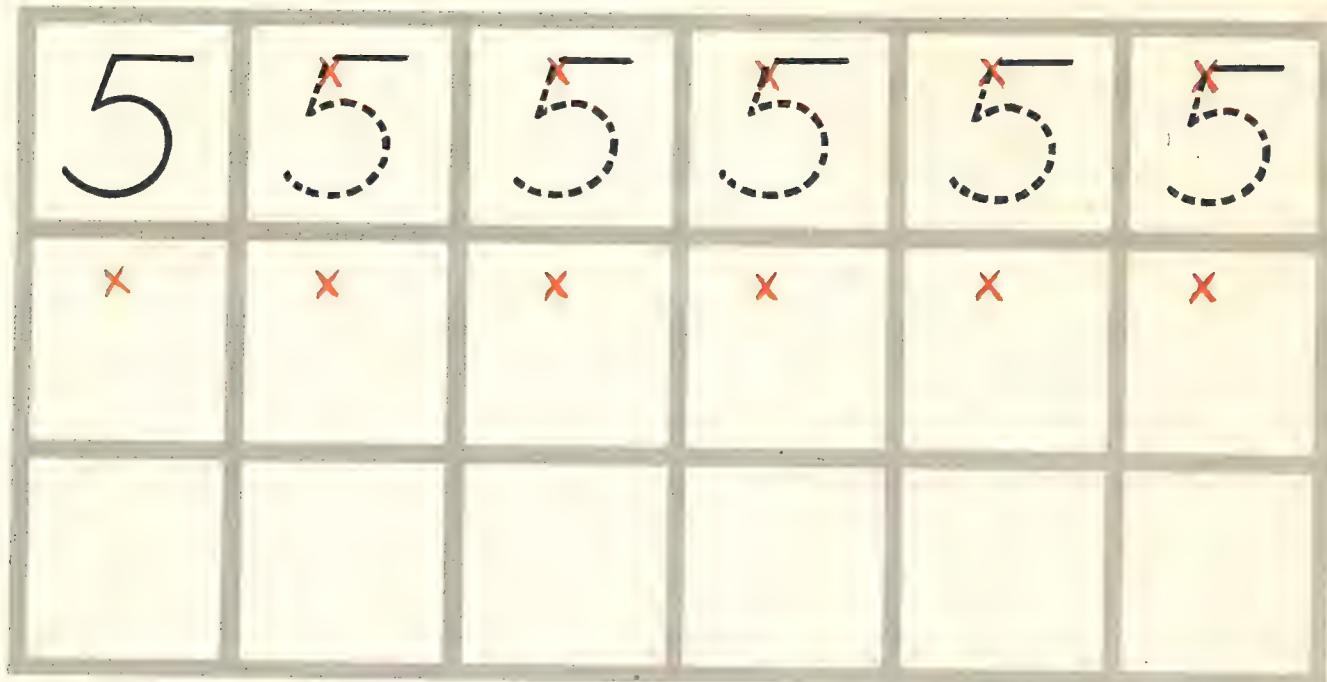


1	2	—
2	3	—
1	—	3
2	—	4
—	2	3
—	3	4

4	3	—
1	—	4
—	3	2
2	3	4
1	—	2
—	2	1

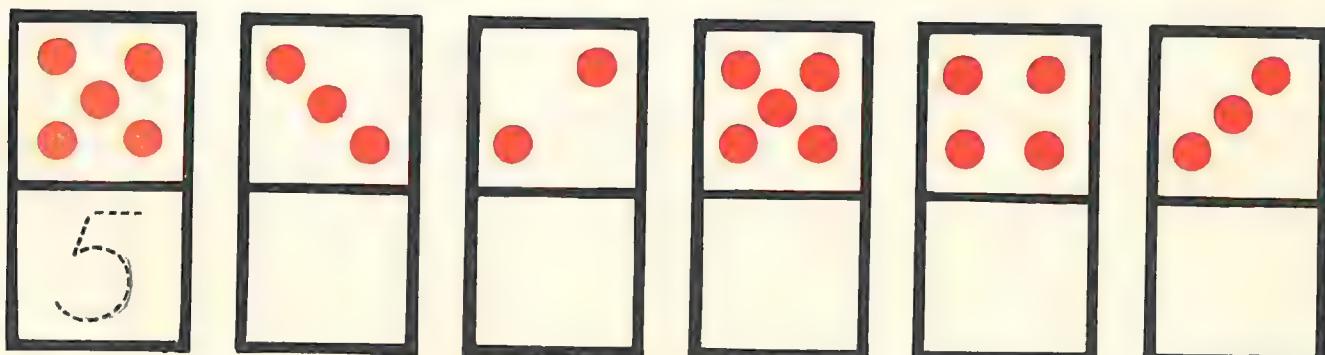


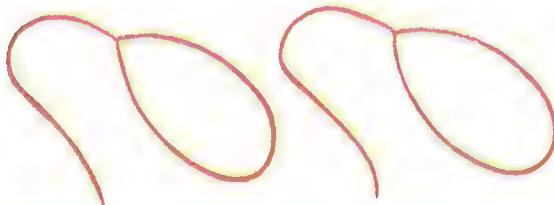




1. 2. 3. 4. 5.

1. 2. 3. 4. 5.







1 cent



5 cents



5¢



5¢

1¢

3¢



2¢

3¢

4¢



1¢

3¢

2¢



3¢

5¢

4¢



2¢

5¢

1¢



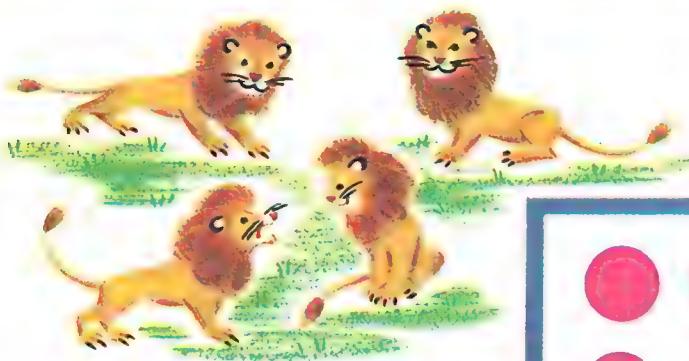
5¢

4¢

3¢



4 5 6



4 5 6



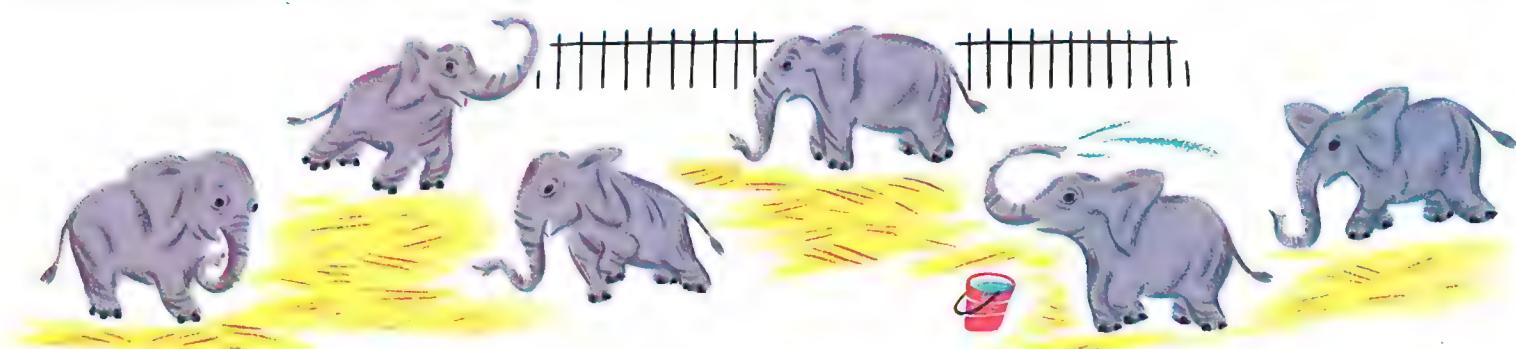
4 5 6



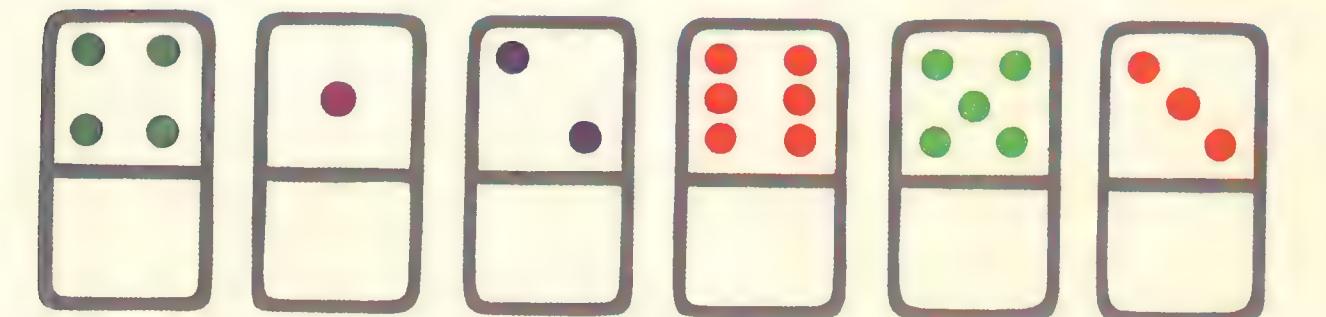
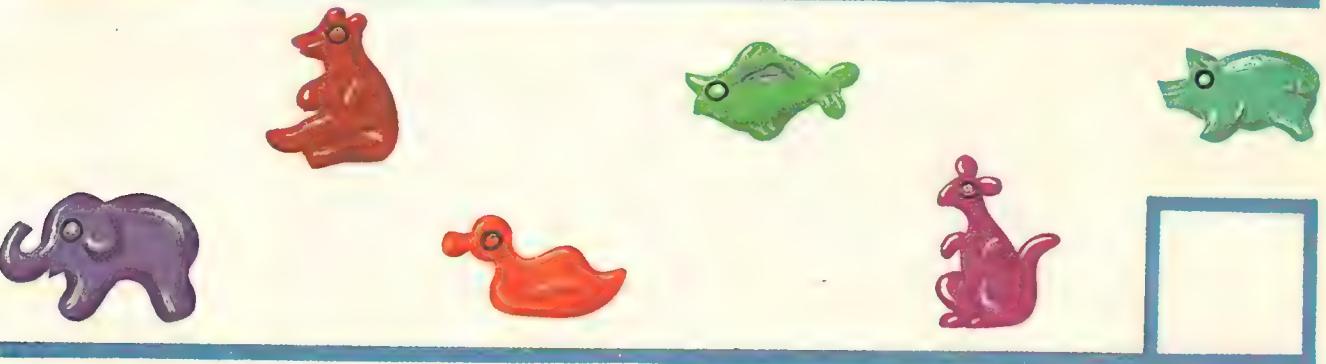
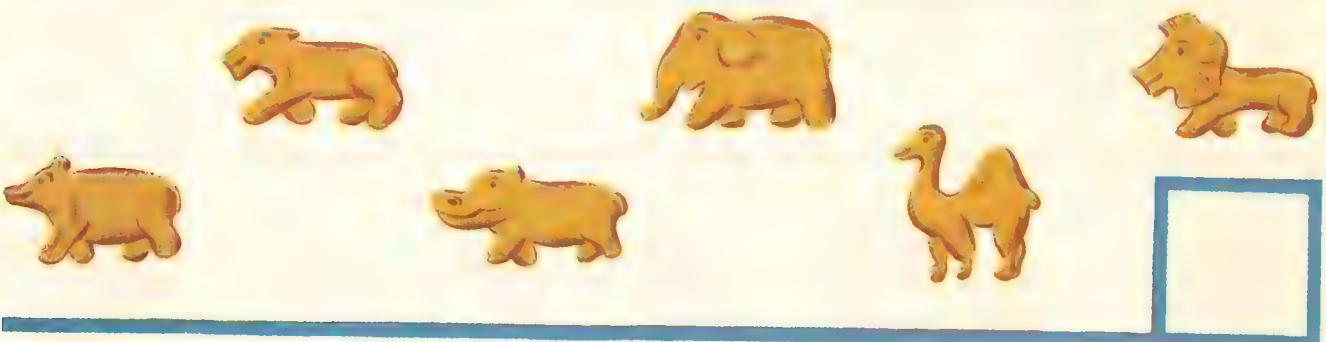
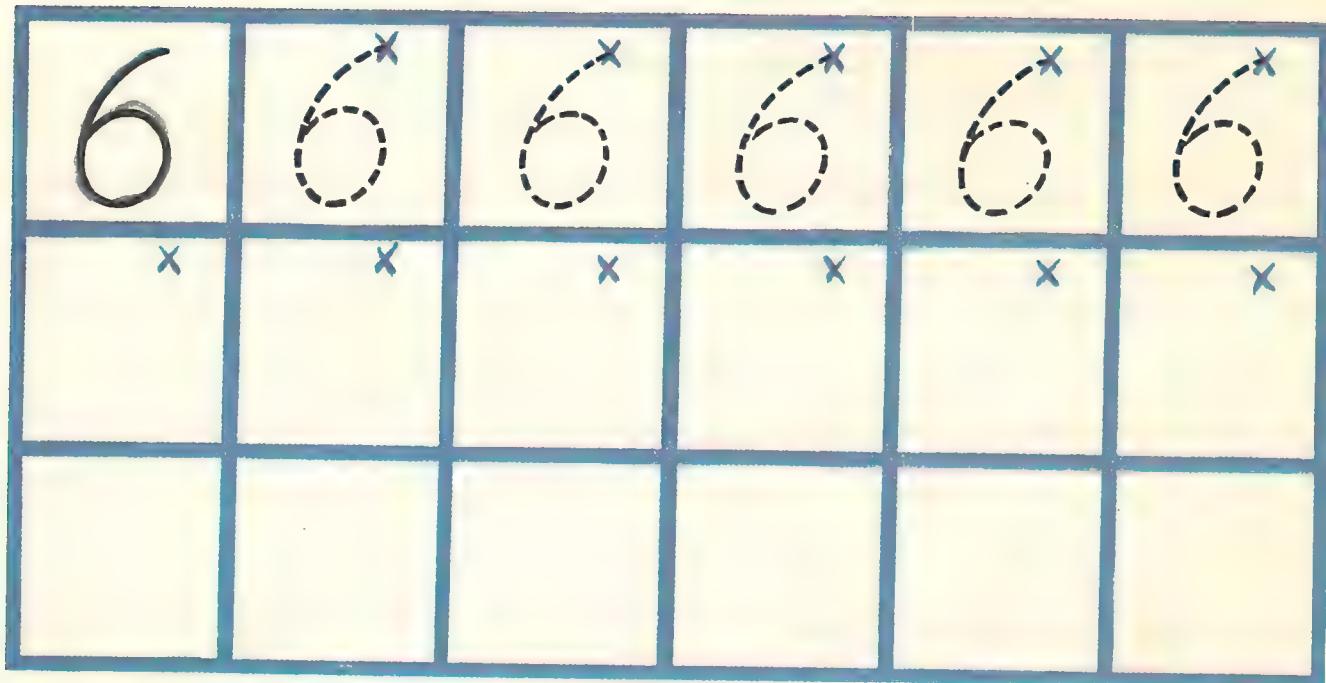
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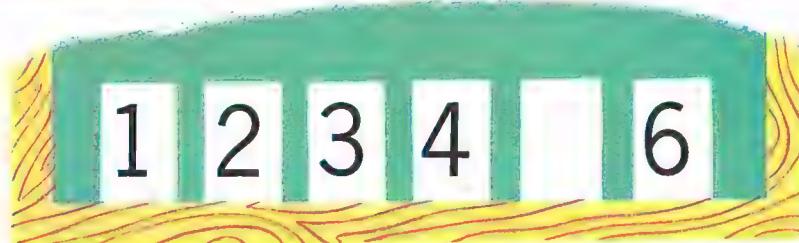
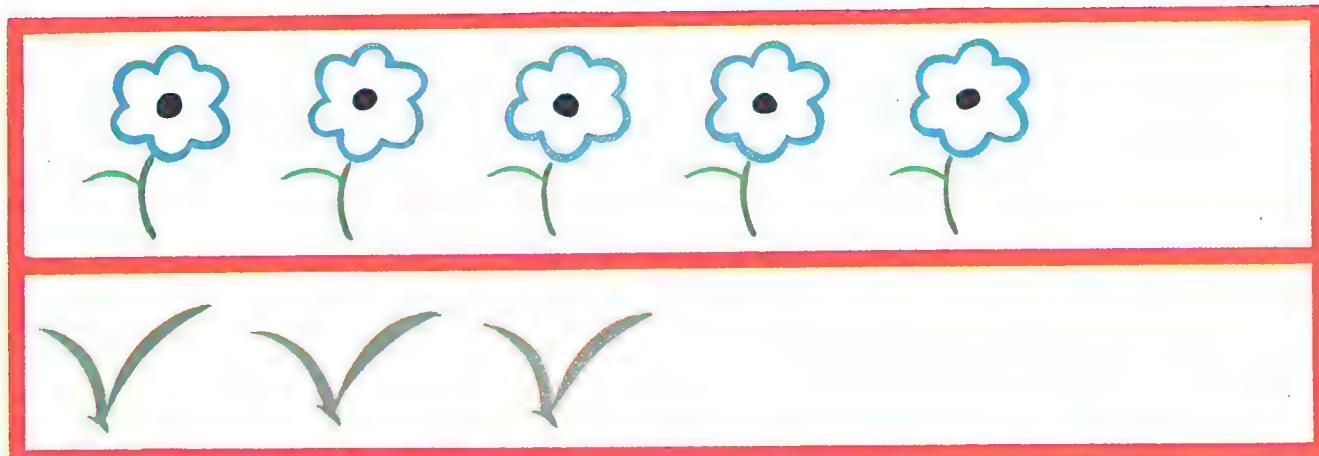


4 5 6



4 5 6





4 5   

1    3

   5 6

2 3   

2    4

   3 4

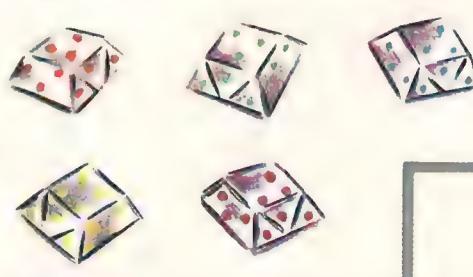
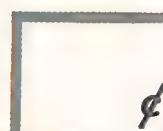
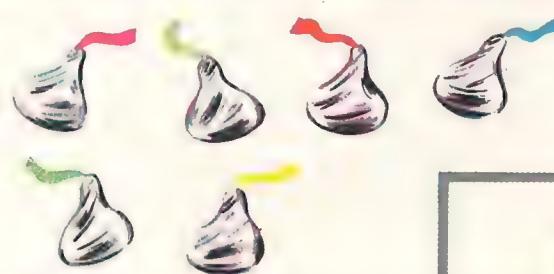
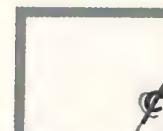
3 4   

4    6

   2 3

# CANDY

1¢



4¢

5¢

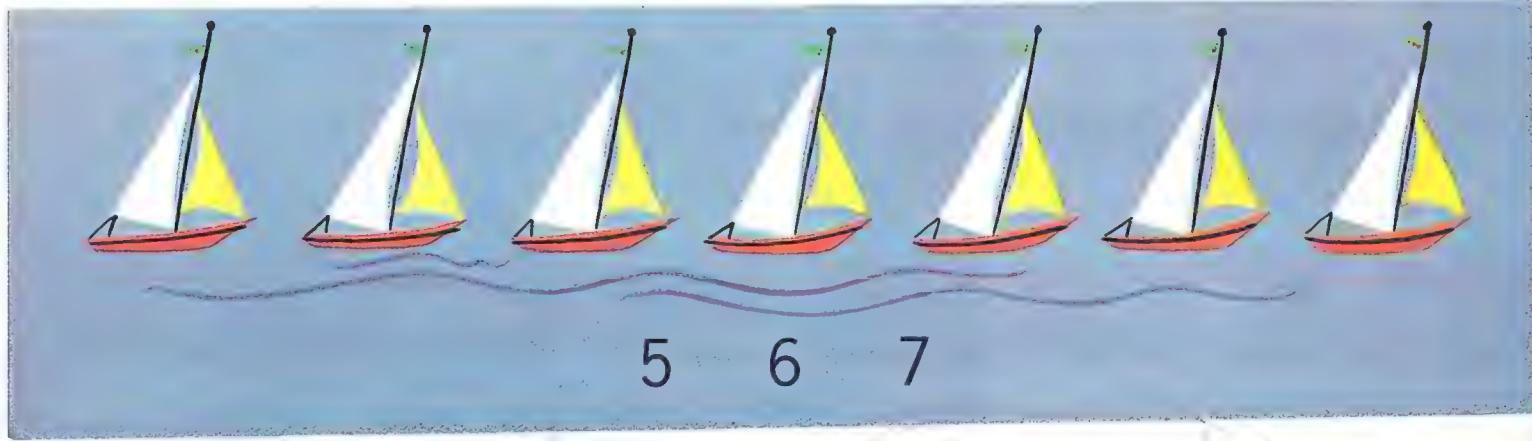
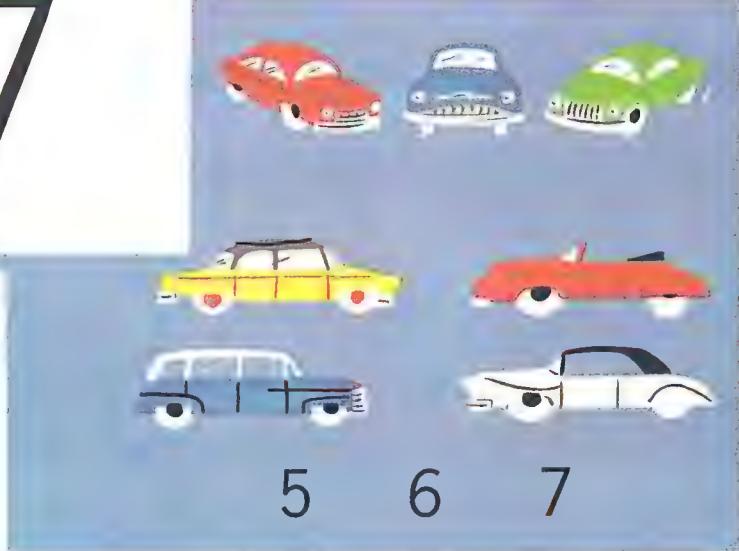
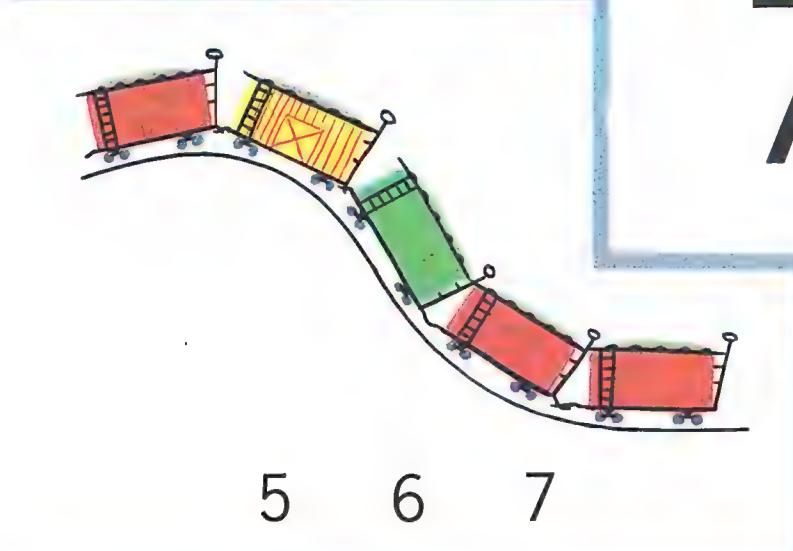
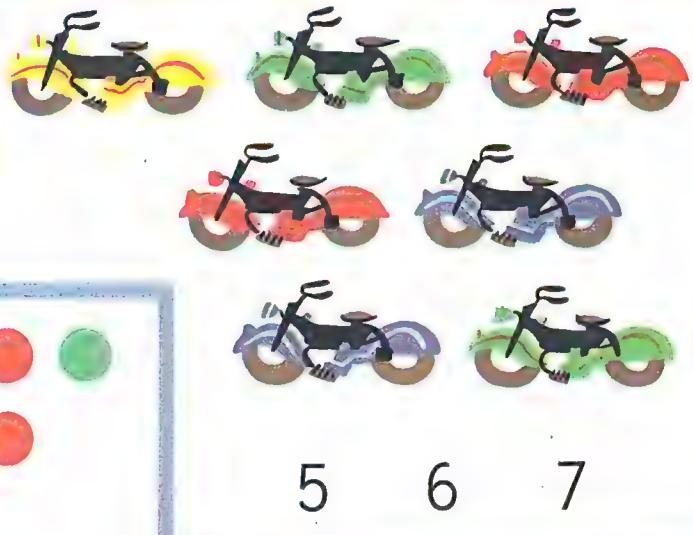
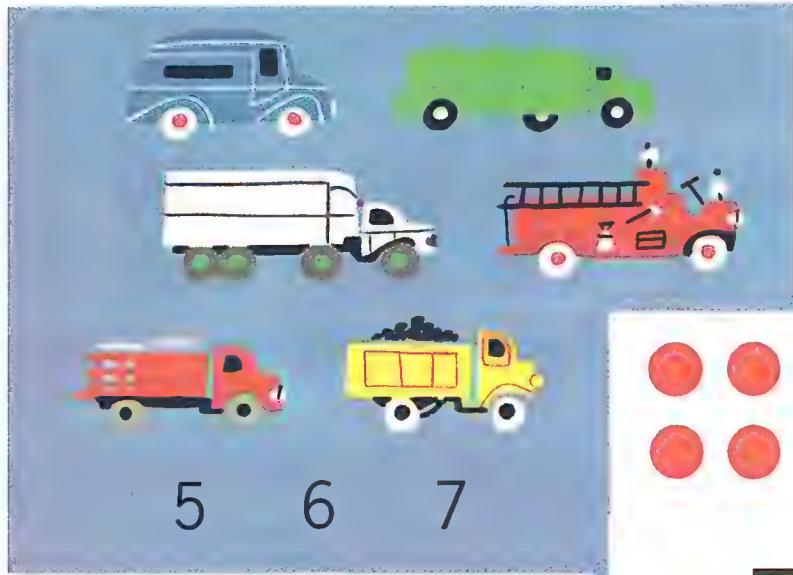
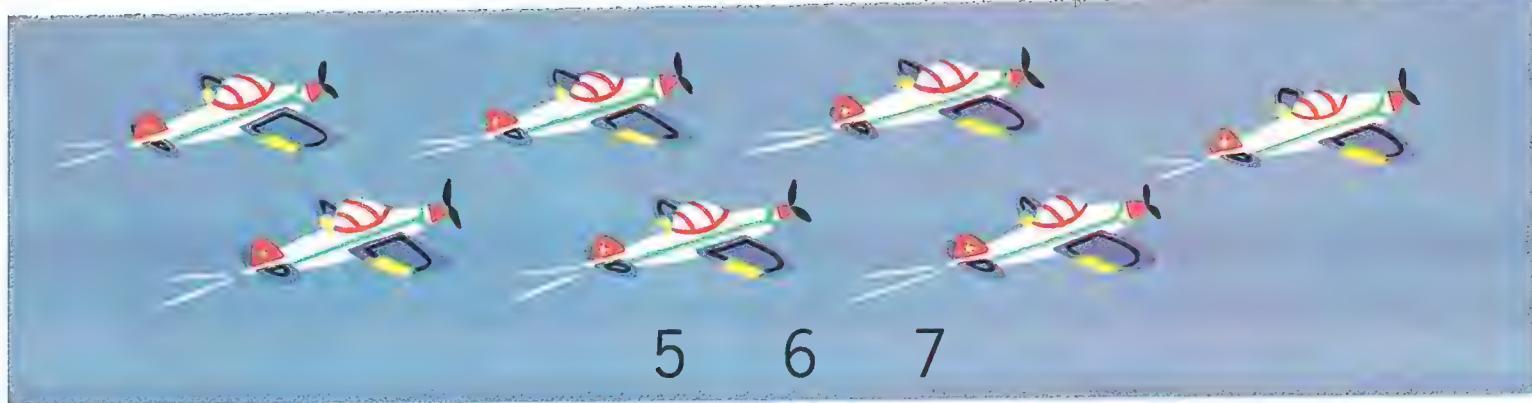
6¢

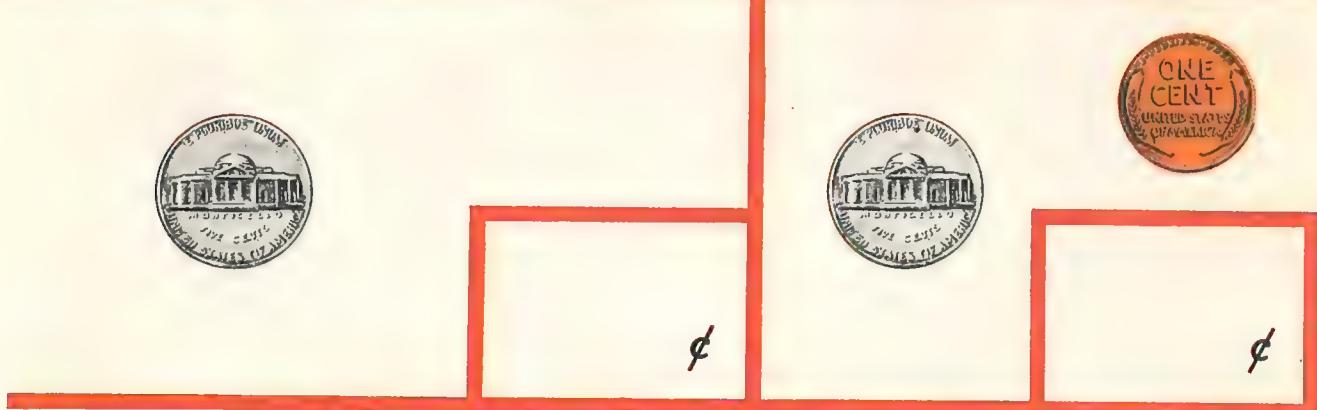
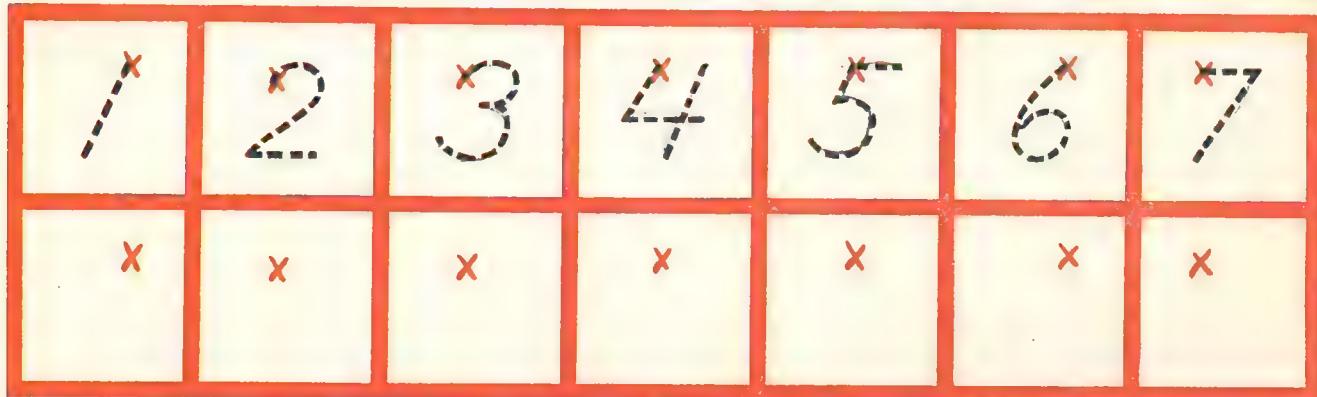
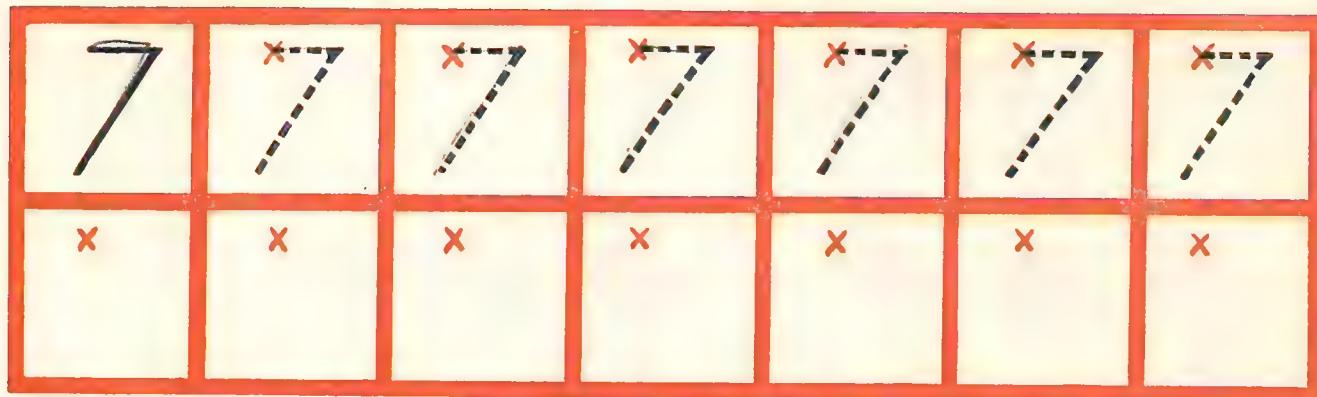


2¢

5¢

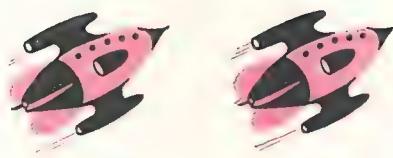
6¢





7

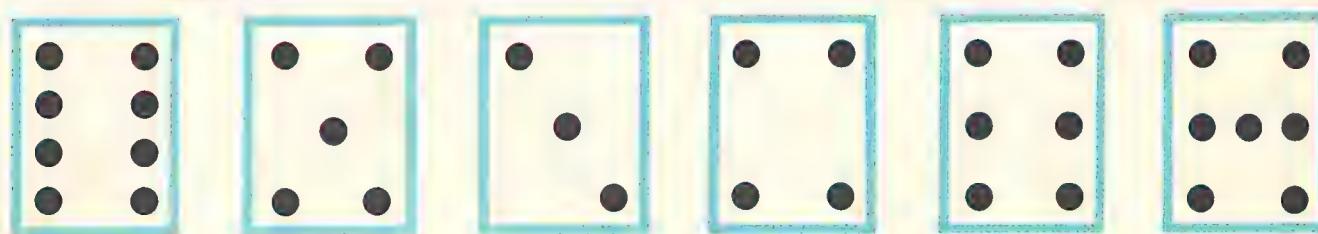
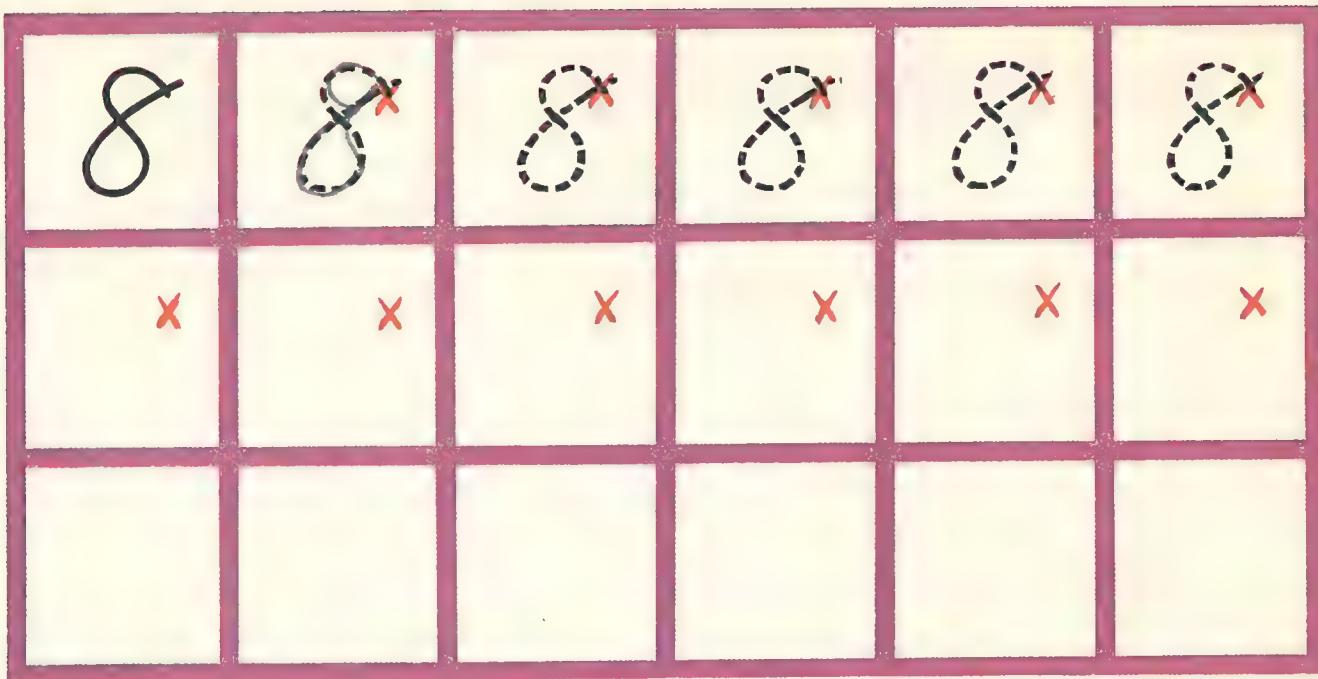




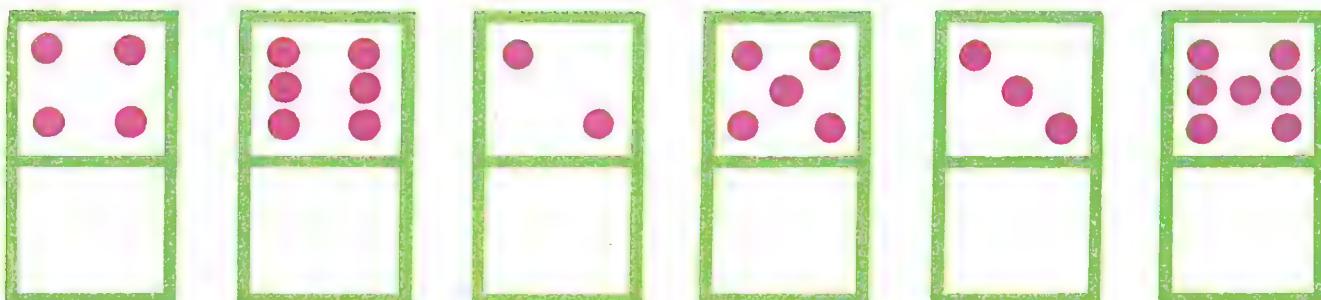
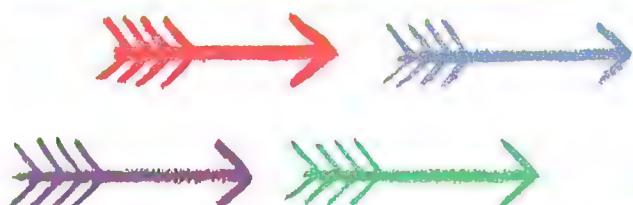


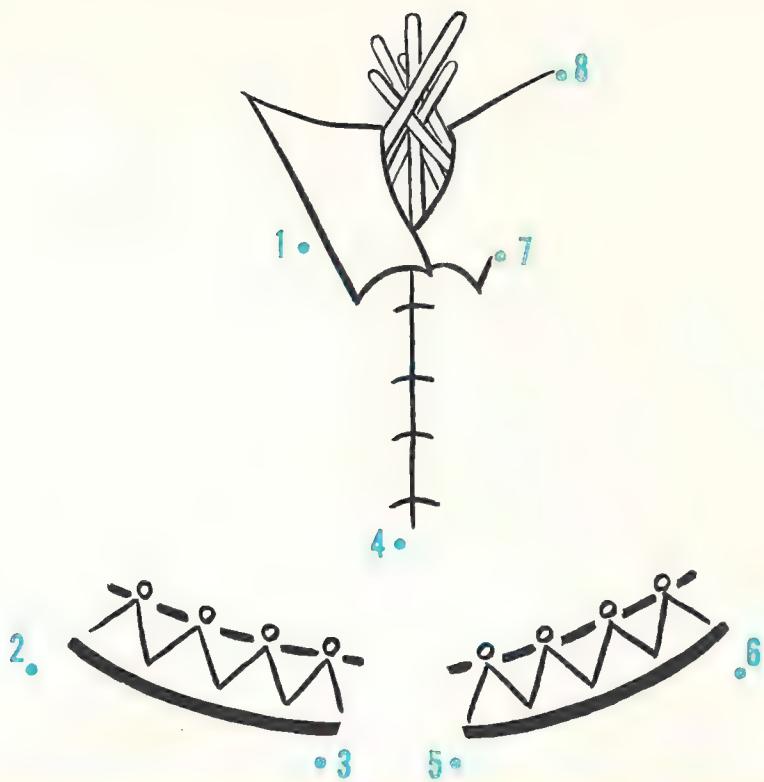
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8





7	3	6	6	8	7	5	4	7
5	8	6	4	7	8	8	5	4
8	7	5	6	5	7	8	6	7
one	three	4	5	three	6	three	two	6



7 8 9



7 8 9



7 8 9



7 8 9

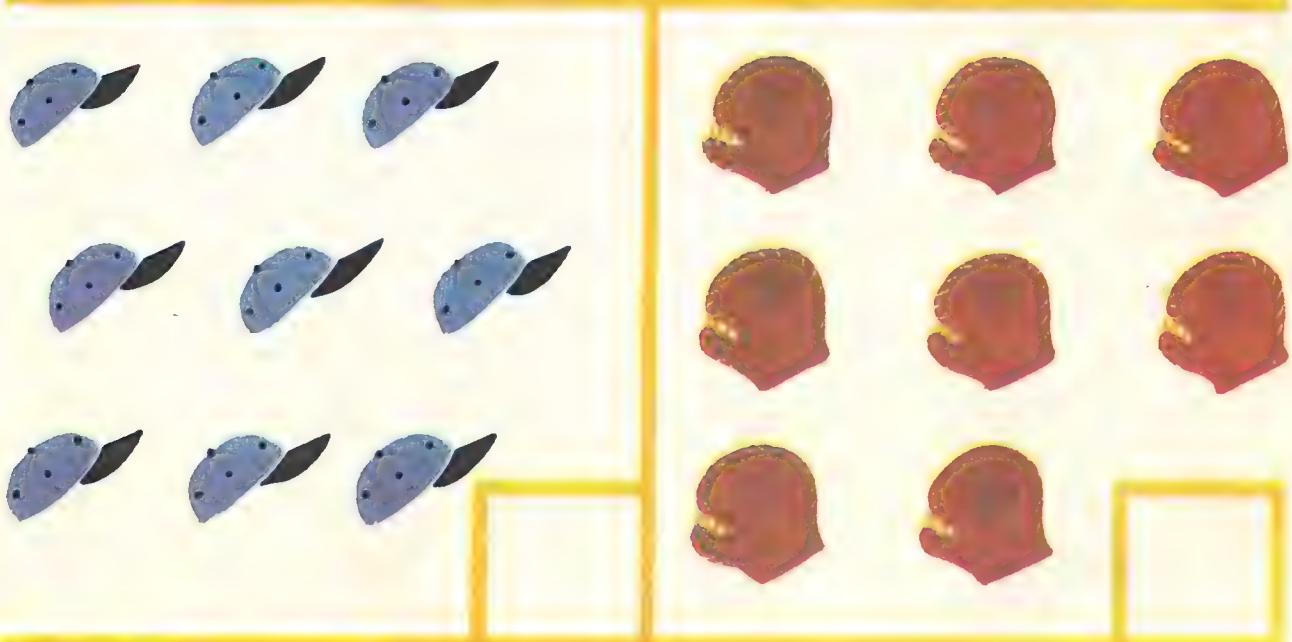
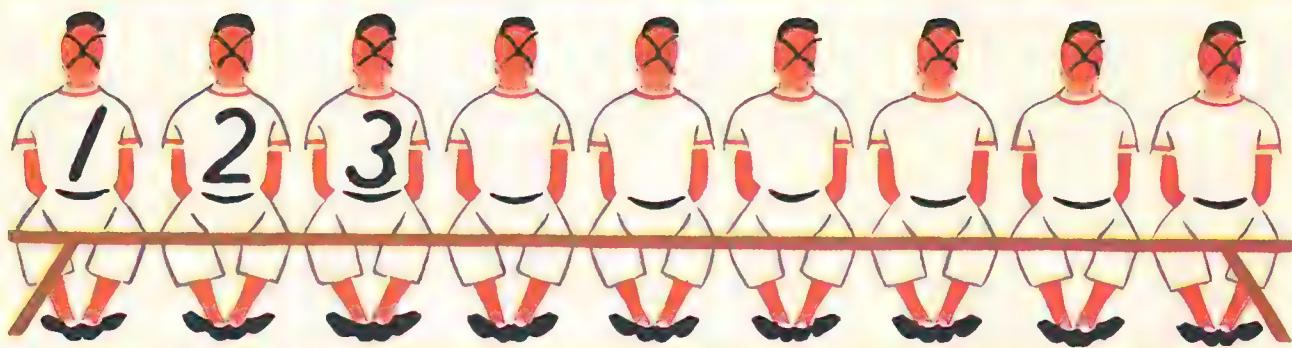
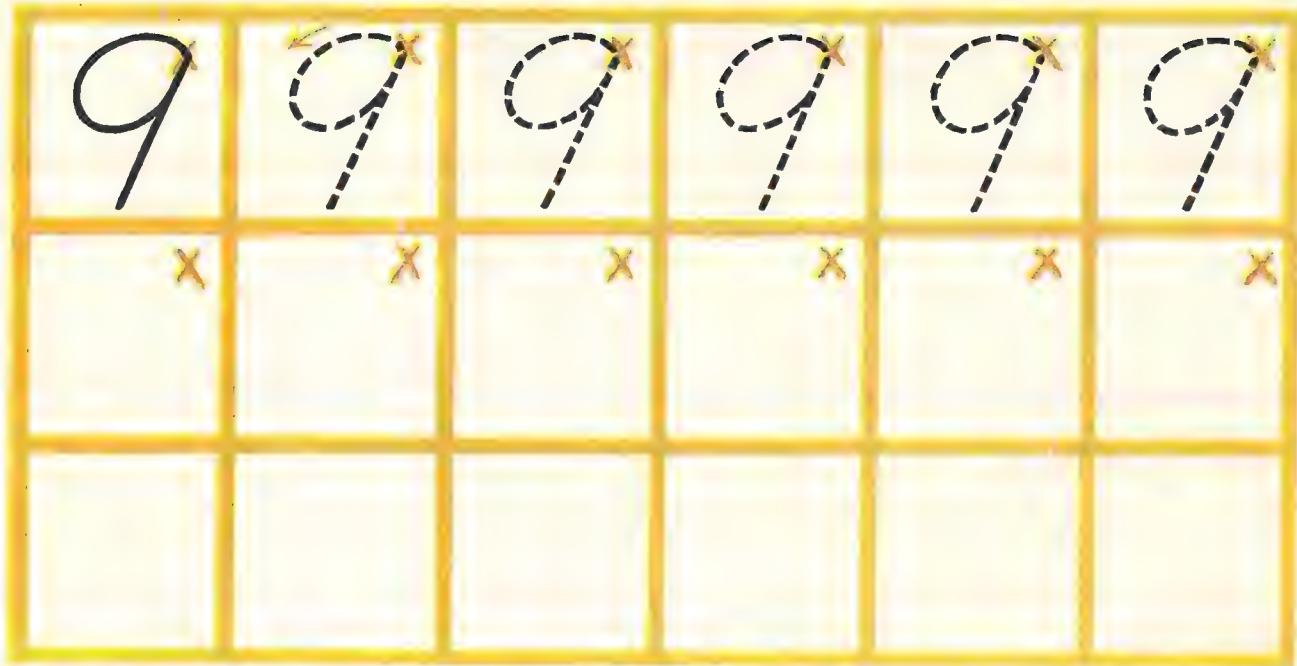
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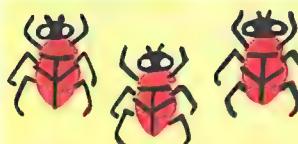
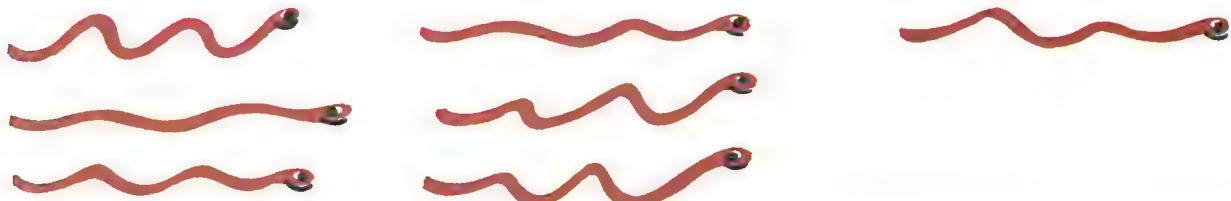
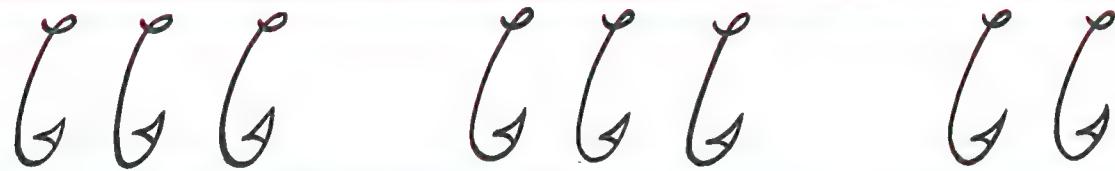
7 8 9



7 8 9



9



2



3



4



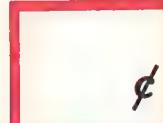
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7



6

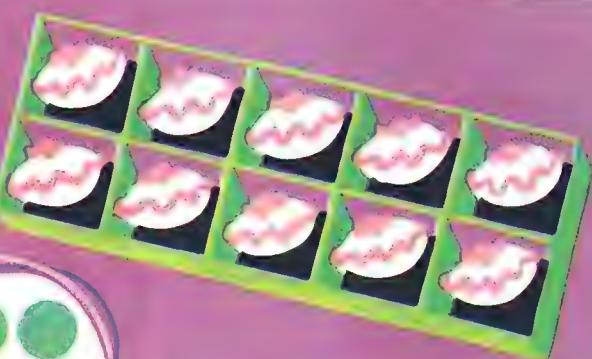




8 9 10



8 9 10



8 9 10



8 9 10

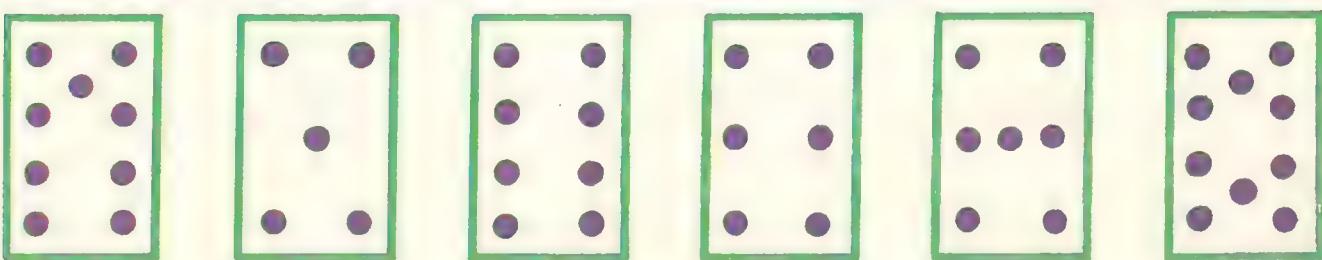
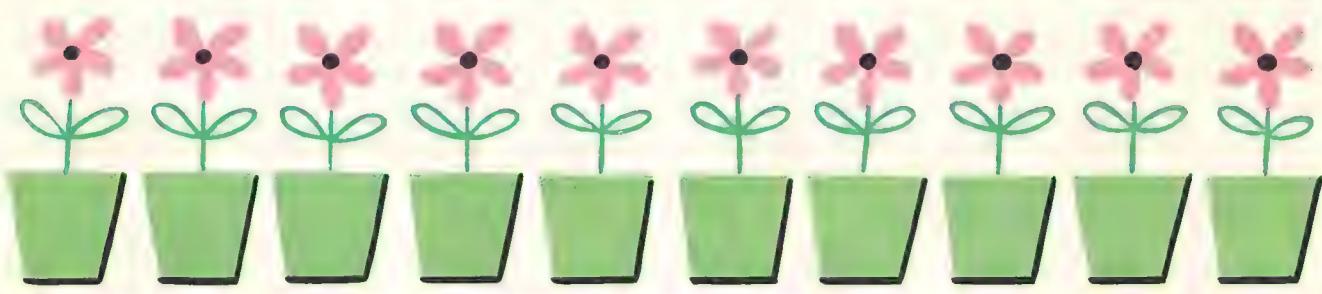
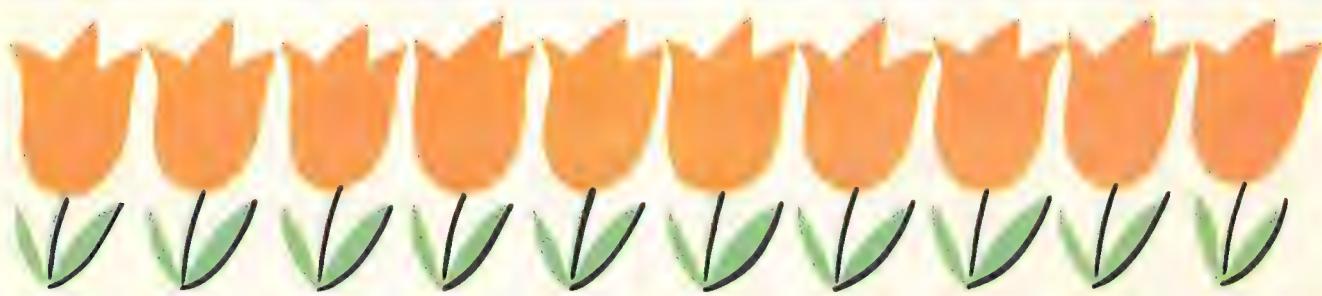
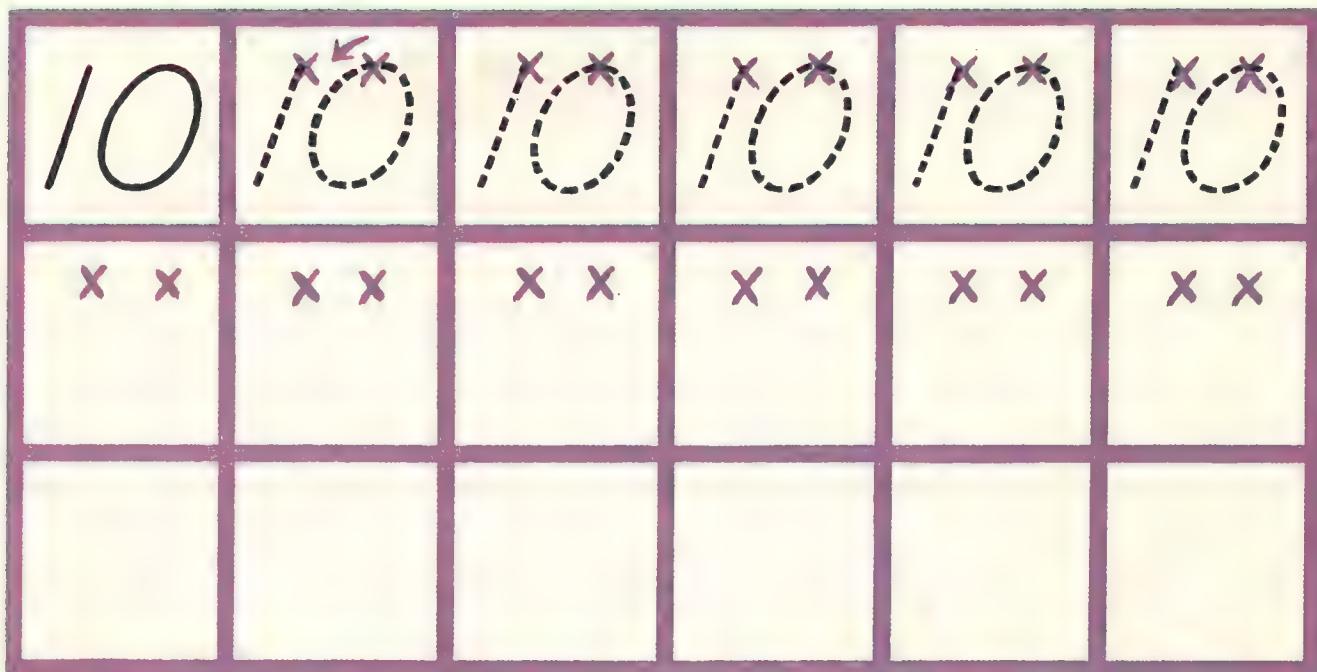
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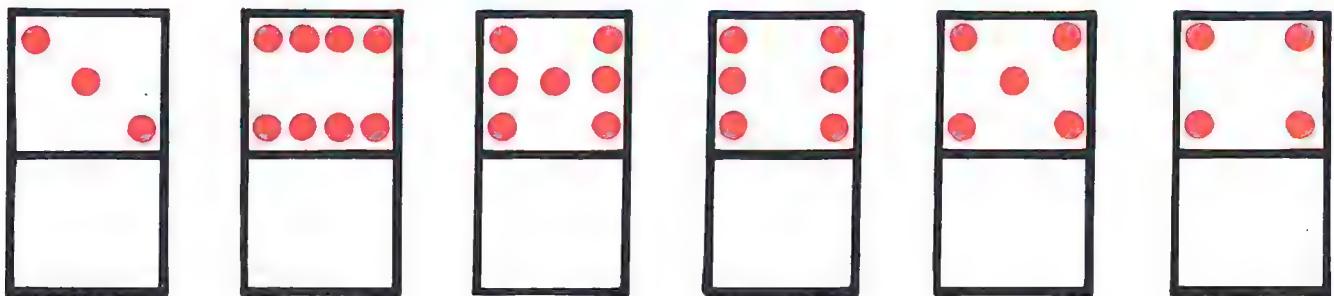
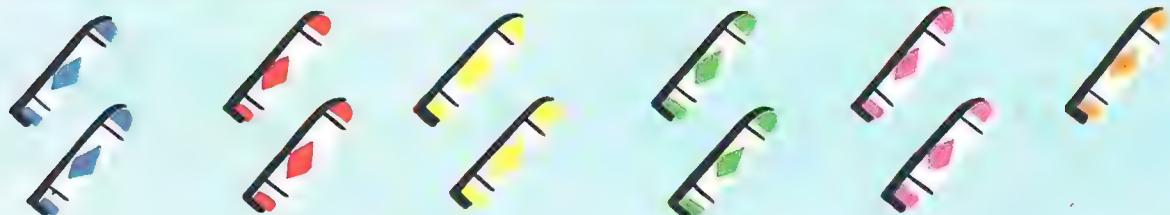
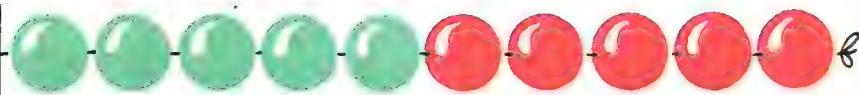
8 9 10



8 9 10



10





1. 5¢



2. 10¢



3. 10¢



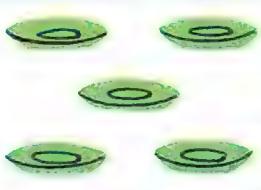
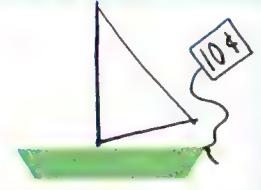
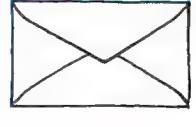
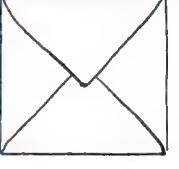
4. 10¢



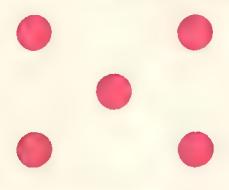
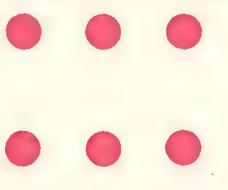
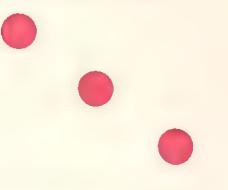
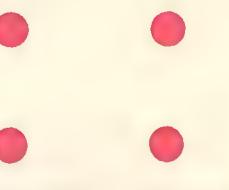
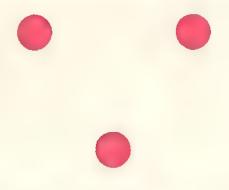
5. 10¢



# Test 1

1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				

Test 2

1.	2	8	7	3
2.				
3.		three	one	two
4.	<u>6</u> <u>8</u>	5	9	7
5.	8	2	4	10
6.	3	5	7	4
7.		10¢	5¢	2¢
8.		7	8	9



10 ones

1 ten



1 ten

1 one



1 ten

2 ones



1 ten

3 ones



1 ten

4 ones

1.	1 ten	<u>1</u> one	11
2.	1 ten	<u>2</u> ones	12
3.	1 ten	<u>3</u> ones	13
4.	1 ten	<u>4</u> ones	14
5.	1 ten	<u>5</u> ones	15
6.	1 ten	<u>6</u> ones	16
7.	1 ten	<u>7</u> ones	17
8.	1 ten	<u>8</u> ones	18
9.	1 ten	<u>9</u> ones	19
10.	1 ten	<u>10</u> ones	20

/	2	3	4	5	6	7	8	9	10
///	/2	/3	/4	/5	/6	/7	/8	/9	20

1.



11 12 13

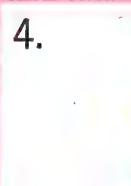


14 15 16

3.



16 17 18



14 15 16

5.



16 17 18

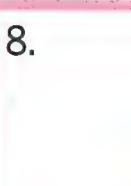


18 19 20

7.



11 12 13



10 11 12

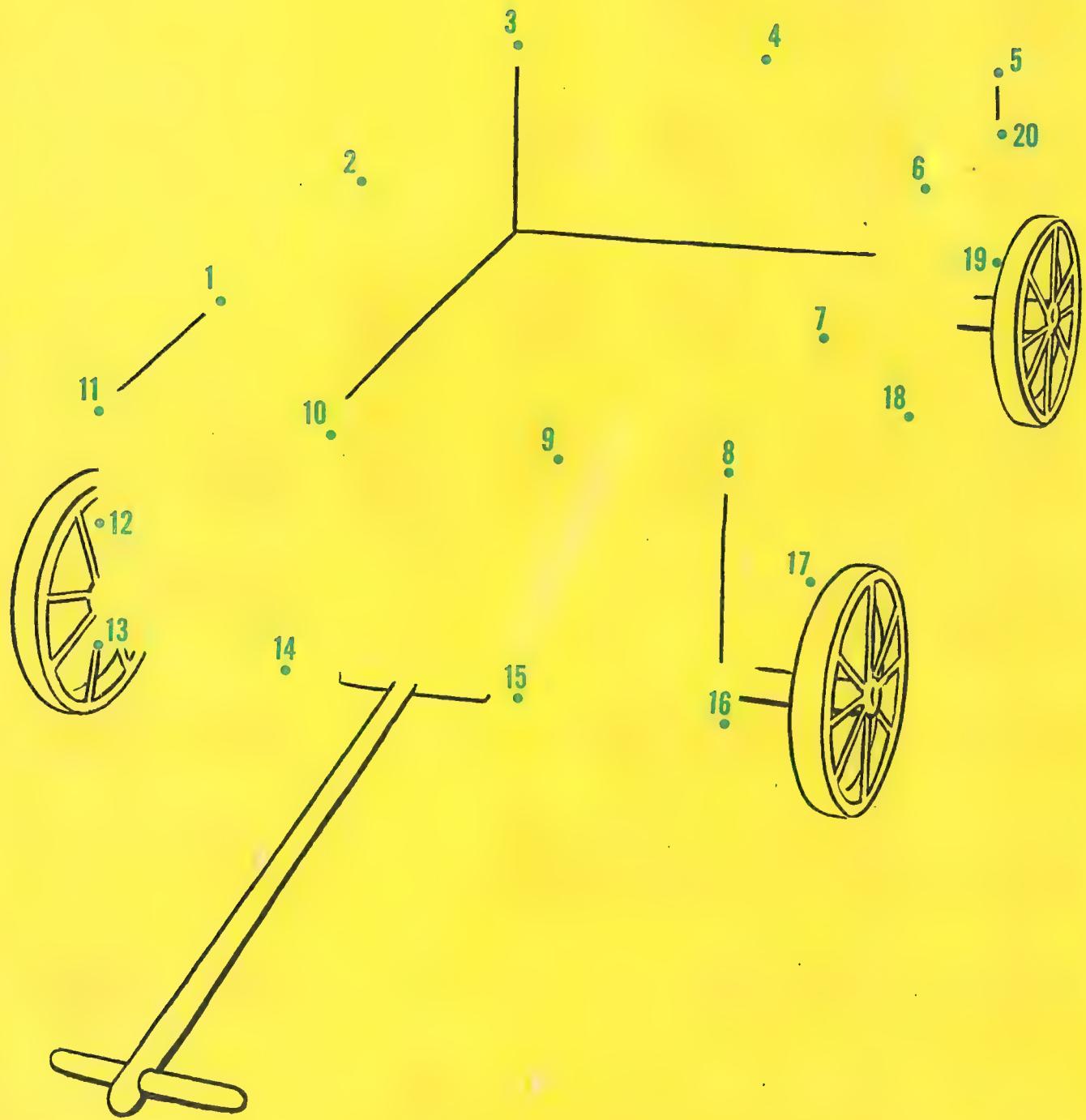
9.



17 18 19



18 19 20





1¢



12¢



13¢

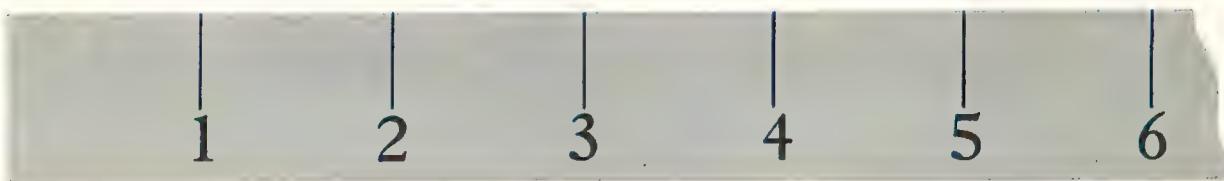


14¢



15¢





1 inch

   inches

   inches

   inches

   inches

  inches



1 and 1 are 2.



2 and 1 are 3.

3 and 1 are 4.

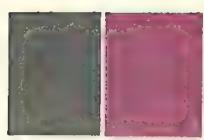


4 and 1 are 5.



5 and 1 are 6.

1.



1 and 1 are 2.

6.



1 and 1 are 2.

2.



2 and 1 are 3.

7.



3 and 1 are 4.

3.



3 and 1 are 4.

8.



4 and 1 are 5.

4.



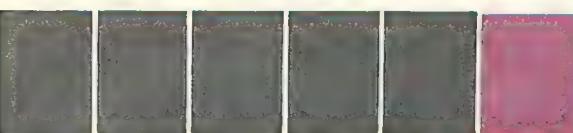
4 and 1 are 5.

9.



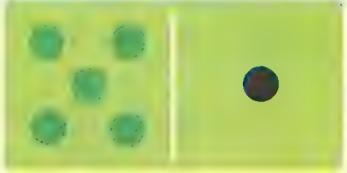
2 and 1 are 3.

5.



5 and 1 are 6.

10.



5 and 1 are 6.



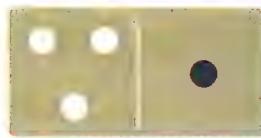
3 and 1 are \_\_\_\_.



1 and 3 are \_\_\_\_.



2 and 1 are \_\_\_\_.



3 and 1 are \_\_\_\_.



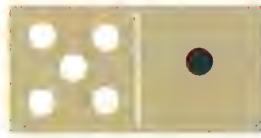
1 and 2 are \_\_\_\_.



1 and 3 are \_\_\_\_.



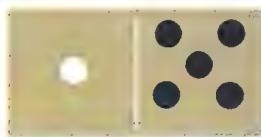
4 and 1 are \_\_\_\_.



5 and 1 are \_\_\_\_.



1 and 4 are \_\_\_\_.



1 and 5 are \_\_\_\_.



2 balls

1 ball

\_\_\_\_balls



1 ball

2 balls

\_\_\_\_balls

---



4 hats



1 hat



1 hat



4 hats

\_\_\_\_hats

\_\_\_\_hats

---



3 ducks



1 duck



1 duck

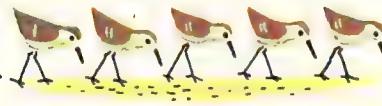


3 ducks

\_\_\_\_ducks

\_\_\_\_ducks

---



5 birds



1 bird



1 bird



5 birds

\_\_\_\_birds

\_\_\_\_birds

---



4  
1  
—  
5



2  
1  
—  
3



5  
1  
—



3  
1  
—



1  
1  
—



1  
5  
—



1  
3  
—



1  
2  
—



5  
1  
—



1  
3  
—



4  
1  
—



1  
4  
—



2  
1  
—



1  
5  
—



1  
4  
—



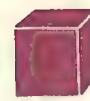
3  
1  
—



$$\begin{array}{r} 1 \\ 2 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 2 \\ 1 \\ \hline 3 \end{array}$$

2



$$\begin{array}{r} 3 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 3 \\ \hline \end{array}$$



4



$$\begin{array}{r} 1 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 4 \\ \hline \end{array}$$

1

2

3

4

5

6

A

$$\begin{array}{r} 4 \\ 5 \\ \hline 6 \end{array}$$

B

$$\begin{array}{r} 1 \\ 2 \\ \hline 3 \end{array}$$

C

$$\begin{array}{r} 3 \\ 4 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 3 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 5 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 3 \\ 4 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 2 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 3 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 2 \\ 3 \\ \hline 5 \end{array}$$

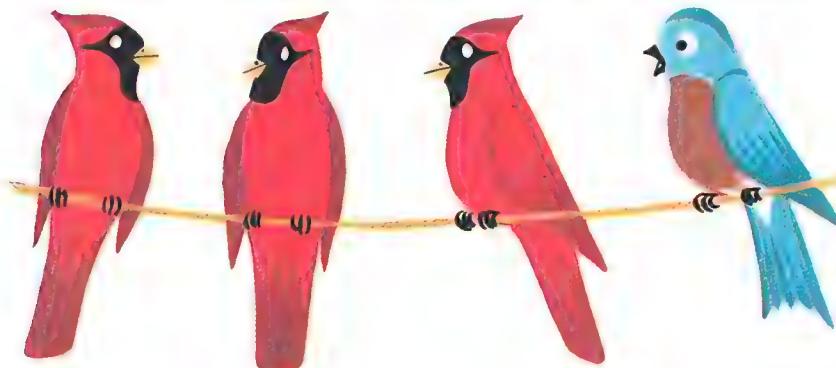
$$\begin{array}{r} 2 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 4 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 2 \\ 3 \\ \hline 4 \end{array}$$

4

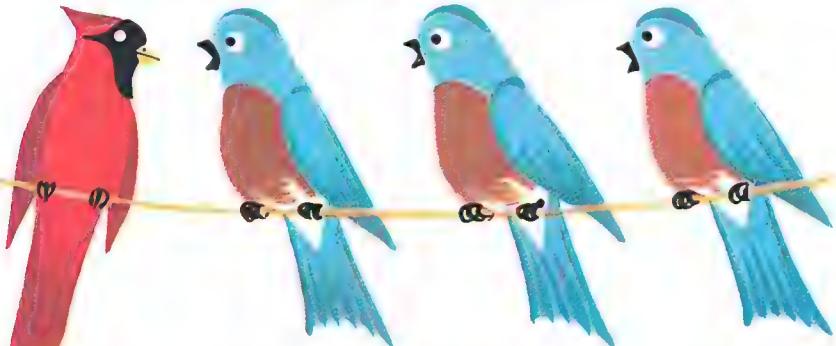
four



— red birds  
— blue birds  
3 and 1 are —.



— red birds  
— blue birds  
2 and 2 are —.



— red birds  
— blue birds  
1 and 3 are —.



4

four

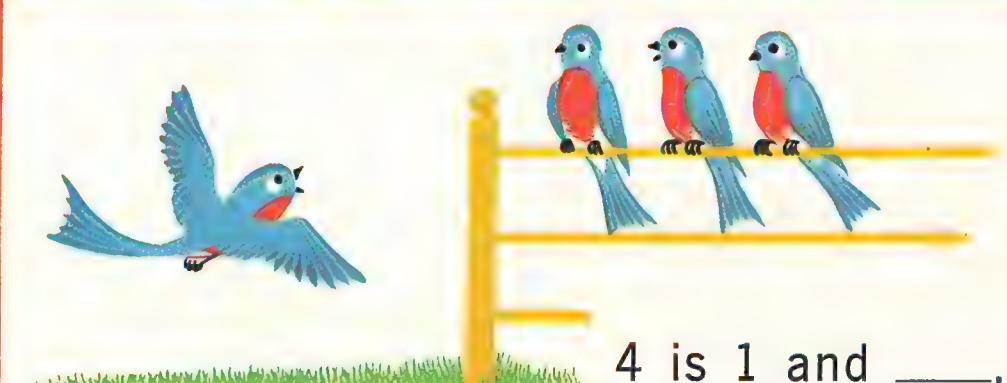


4 is 3 and \_\_\_\_.



4

four



4 is 1 and \_\_\_\_.



4

four



4 is 2 and \_\_\_\_.



2 birds

2 birds

\_\_\_\_ birds



3 birds

1 bird

\_\_\_\_ birds



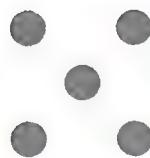
1 bird

3 birds

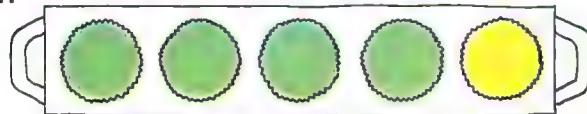
\_\_\_\_ birds

# 5

five



1.

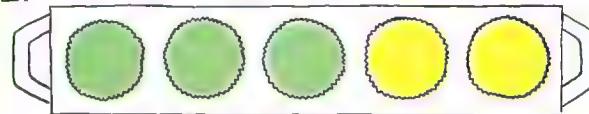


4 green cakes

1 yellow cake

4 and 1 are \_\_\_\_.

2.

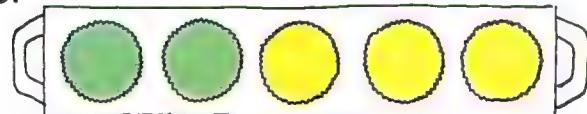


\_\_\_\_ green cakes

\_\_\_\_ yellow cakes

3 and 2 are \_\_\_\_.

3.

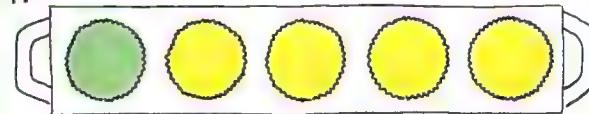


\_\_\_\_ green cakes

\_\_\_\_ yellow cakes

3 and 2 are \_\_\_\_.

4.



\_\_\_\_ green cake

\_\_\_\_ yellow cakes

1 and 4 are \_\_\_\_.

• • • • •  
5  
five



5 is 4 and \_\_\_\_.

• • • • •  
5  
five



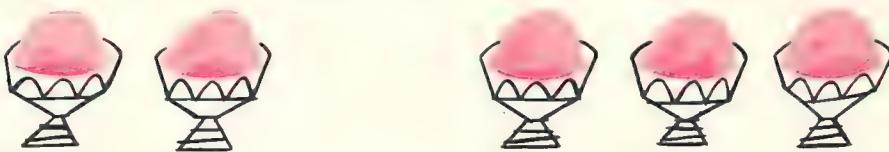
5 is 1 and \_\_\_\_.

• • • • •  
5  
five



5 is 3 and \_\_\_\_.

• • • • •  
5  
five



5 is 2 and \_\_\_\_.



3 and 2 are \_\_\_\_.



4 and 1 are \_\_\_\_.



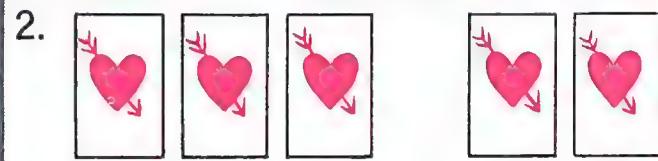
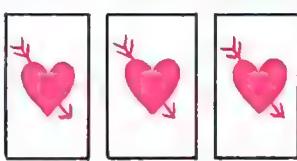
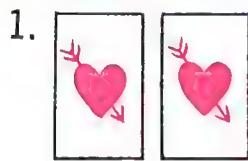
2 and 3 are \_\_\_\_.



1 and 4 are \_\_\_\_.



2 and 2 are \_\_\_\_.



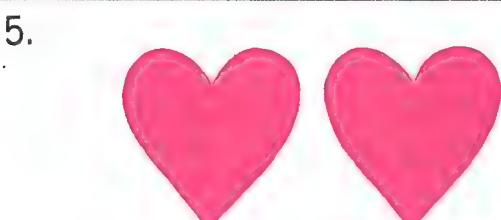
2 and 3 are \_\_\_\_.

3 and 2 are \_\_\_\_.



1 and 1 are \_\_\_\_.

2 and 2 are \_\_\_\_.



2 hearts

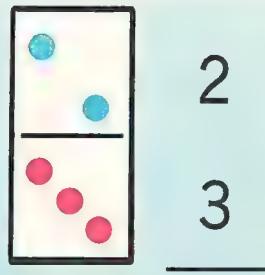
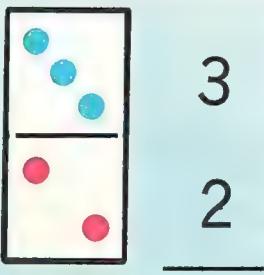
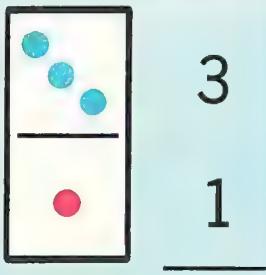
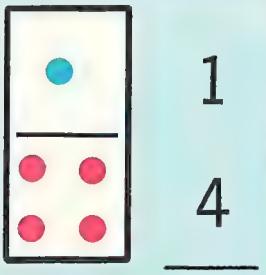
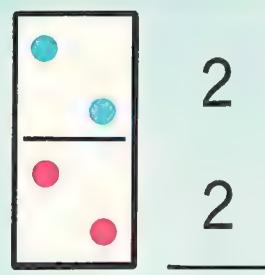
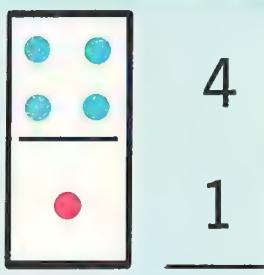
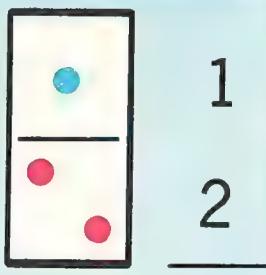
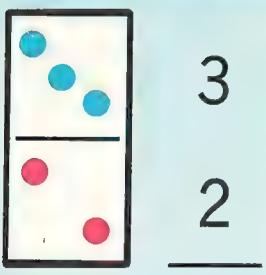
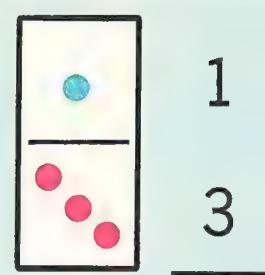
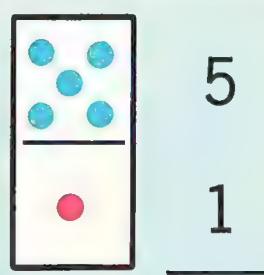
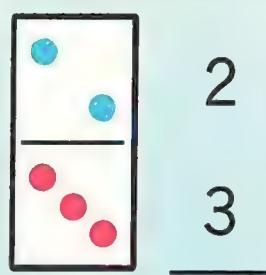
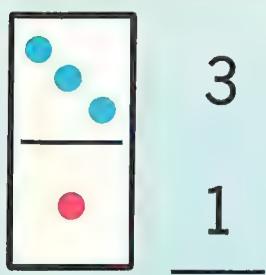
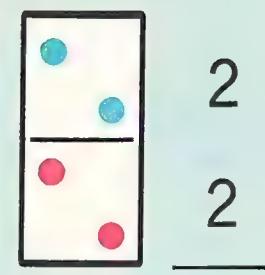
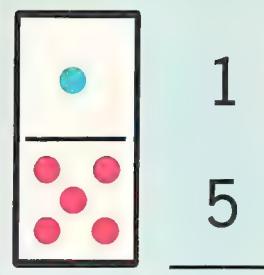
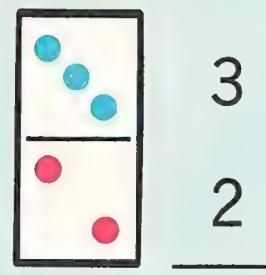
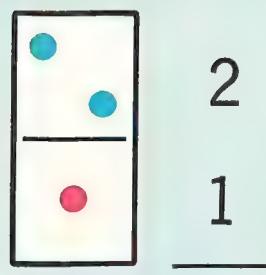
3 hearts

\_\_\_\_ hearts

3 hearts

2 hearts

\_\_\_\_ hearts





1¢



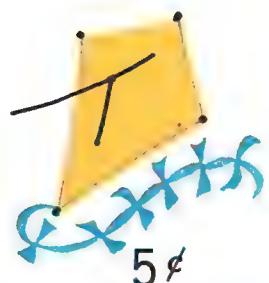
2¢



3¢



4¢



5¢

1.



3.



2.

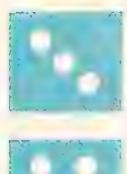


4.





four



five



three



two



one

2.	1	two
	2	one
	3	three
	4	five
	5	four



four

ten

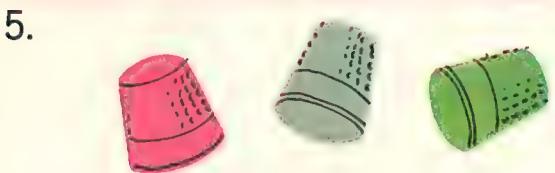
two



one

three

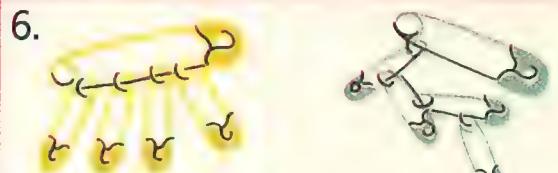
five



five

two

three



three

five

ten

A

B

C

7      8        

8              10

        8      9

6      7        

6              8

        6      7

8      9        

7              9

        9      10

5      6        

5              7

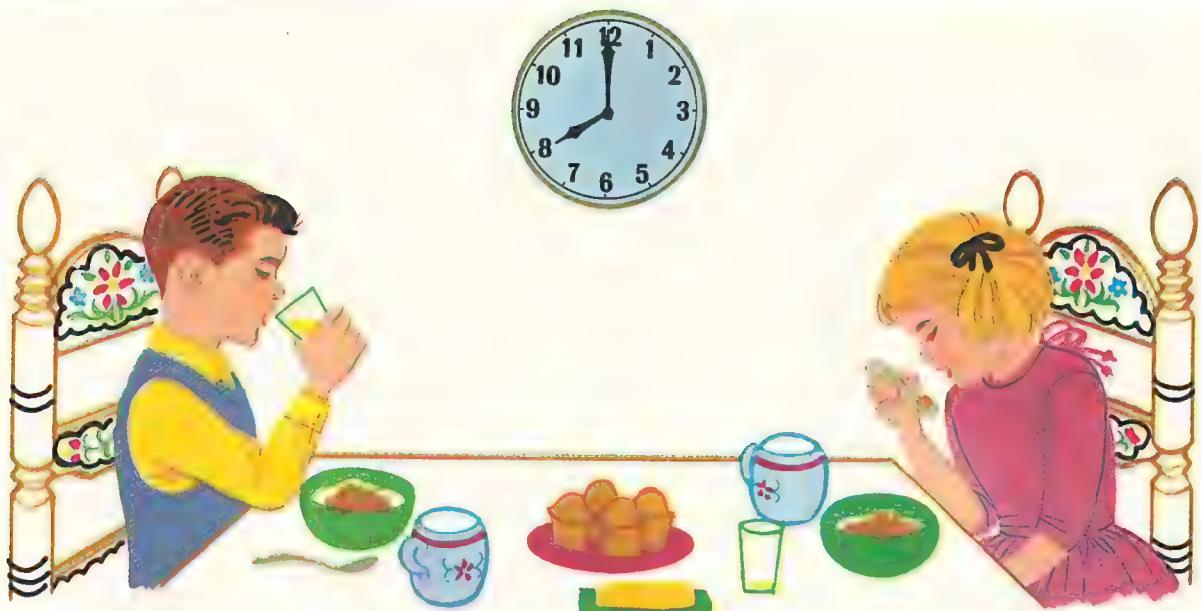
        7      8



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

1	2								

1	2								



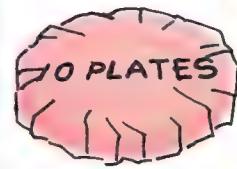
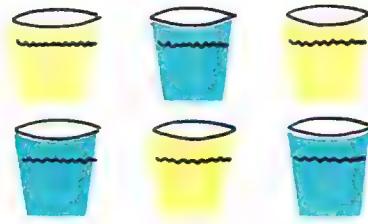
1. o'clock    2. o'clock    3. o'clock    4. o'clock

5. o'clock    6. o'clock    7. o'clock    8. o'clock

9. o'clock    10. o'clock    11. o'clock    12. o'clock



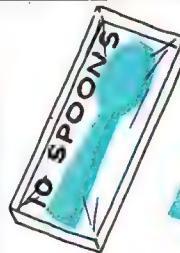
— ten — ones  
How many? —



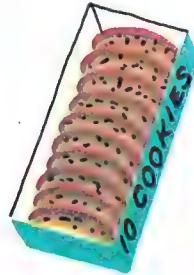
— ten — ones  
How many? —



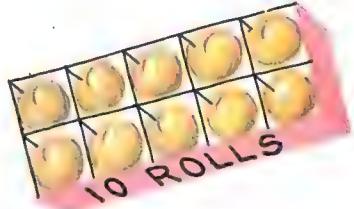
— ten — ones  
How many? —



— ten — ones  
How many? —



— ten — ones  
How many? —



— ten — ones  
How many? —

1.



10¢ and \_\_\_\_¢

¢

2.



10¢ and \_\_\_\_¢

¢

3.



10¢ and \_\_\_\_¢

¢

4.



10¢ and \_\_\_\_¢

¢

5.



10¢ and \_\_\_\_¢

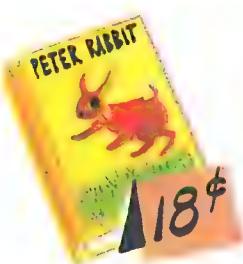
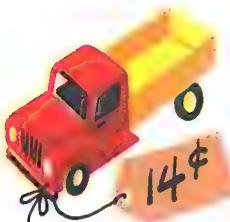
¢

6.



10¢ and \_\_\_\_¢

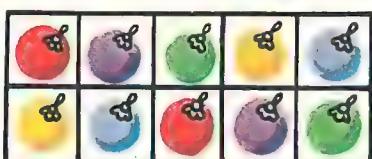
¢



1. How many? \_\_\_\_\_



2.



10 balls and 3 balls are \_\_\_\_\_ balls.

3.



3 and 2 are \_\_\_\_\_.

4.



\_\_\_\_\_ inches

5.



\_\_\_\_\_ ¢

6.



\_\_\_\_\_ ¢

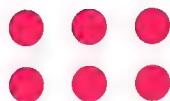
7.



\_\_\_\_\_ ¢

6

six



5 blue dolls

1 pink doll

5 and 1 are \_\_\_\_.

1.



\_\_\_\_ blue dolls

\_\_\_\_ pink dolls

4 and 2 are \_\_\_\_.

2.



\_\_\_\_ blue dolls

\_\_\_\_ pink dolls

3 and 3 are \_\_\_\_.

3.



\_\_\_\_ blue dolls

\_\_\_\_ pink dolls

2 and 4 are \_\_\_\_.

4.



\_\_\_\_ blue dolls

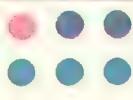
\_\_\_\_ pink dolls

1 and 5 are \_\_\_\_.



6

six



6

six



6

six



6

six



6

six

1.



6 is 5 and \_\_\_\_.

2.



6 is 1 and \_\_\_\_.

3.



6 is 4 and \_\_\_\_.

4.



6 is 2 and \_\_\_\_.

5.



6 is 3 and \_\_\_\_.

$$\begin{array}{r} 5 \\ 1 \\ \hline 6 \end{array}$$



How old? \_\_\_\_\_

$$\begin{array}{r} 2 \\ 3 \\ \hline \end{array}$$



How old? \_\_\_\_\_

$$\begin{array}{r} 4 \\ 2 \\ \hline \end{array}$$



How old? \_\_\_\_\_

$$\begin{array}{r} 2 \\ 4 \\ \hline \end{array}$$



How old? \_\_\_\_\_

$$\begin{array}{r} 3 \\ 2 \\ \hline \end{array}$$

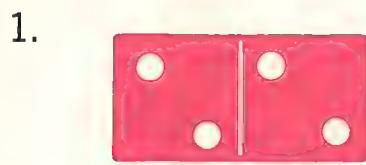


How old? \_\_\_\_\_

$$\begin{array}{r} 3 \\ 3 \\ \hline \end{array}$$

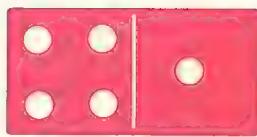


How old? \_\_\_\_\_



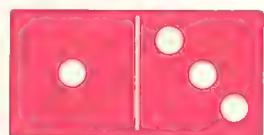
$$\begin{array}{r} 2 \\ + 2 \\ \hline 4 \end{array}$$

2 and 2 are 4.



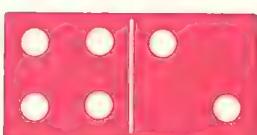
$$\begin{array}{r} 4 \\ + 1 \\ \hline \end{array}$$

4 and 1 are 5.



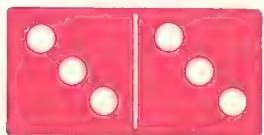
$$\begin{array}{r} 1 \\ + 3 \\ \hline \end{array}$$

1 and 3 are 4.



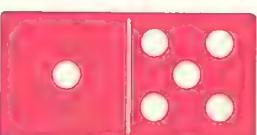
$$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$$

4 and 2 are 6.



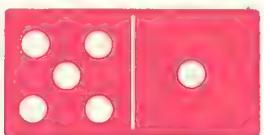
$$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$$

3 and 3 are 6.



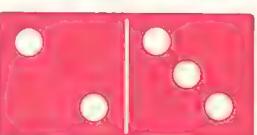
$$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array}$$

1 and 5 are 6.



$$\begin{array}{r} 5 \\ + 1 \\ \hline \end{array}$$

5 and 1 are 6.



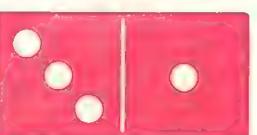
$$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$$

2 and 3 are 5.



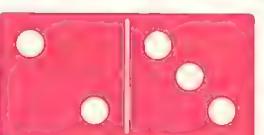
$$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$$

2 and 4 are 6.



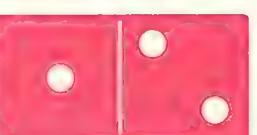
$$\begin{array}{r} 3 \\ + 1 \\ \hline \end{array}$$

3 and 1 are 4.



$$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$$

2 and 3 are 5.



$$\begin{array}{r} 1 \\ + 2 \\ \hline \end{array}$$

1 and 2 are 3.



$$\begin{array}{r} 2 \\ + 4 \\ \hline 6 \end{array}$$



$$\begin{array}{r} 1 \\ + 4 \\ \hline 5 \end{array}$$



$$\begin{array}{r} 1 \\ + 1 \\ \hline 2 \end{array}$$



$$\begin{array}{r} 2 \\ + 3 \\ \hline 5 \end{array}$$



$$\begin{array}{r} 2 \\ + 4 \\ \hline 6 \end{array}$$



$$\begin{array}{r} 1 \\ + 2 \\ \hline 3 \end{array}$$



$$\begin{array}{r} 2 \\ + 1 \\ \hline 3 \end{array}$$



$$\begin{array}{r} 3 \\ + 1 \\ \hline 4 \end{array}$$



$$\begin{array}{r} 3 \\ + 2 \\ \hline 5 \end{array}$$



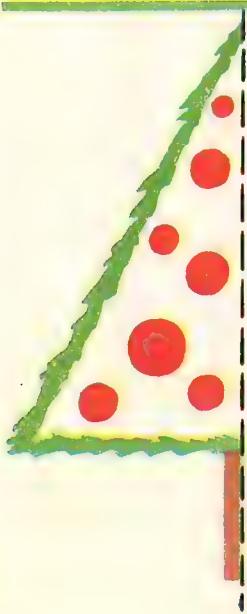
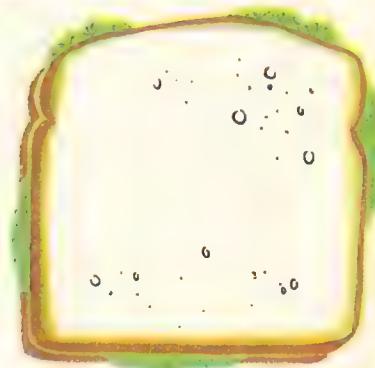
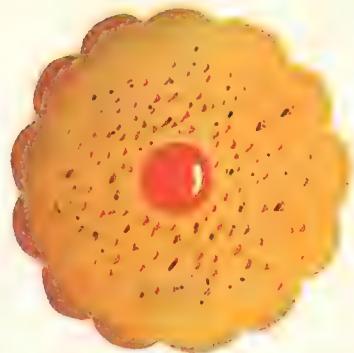
$$\begin{array}{r} 3 \\ + 3 \\ \hline 6 \end{array}$$

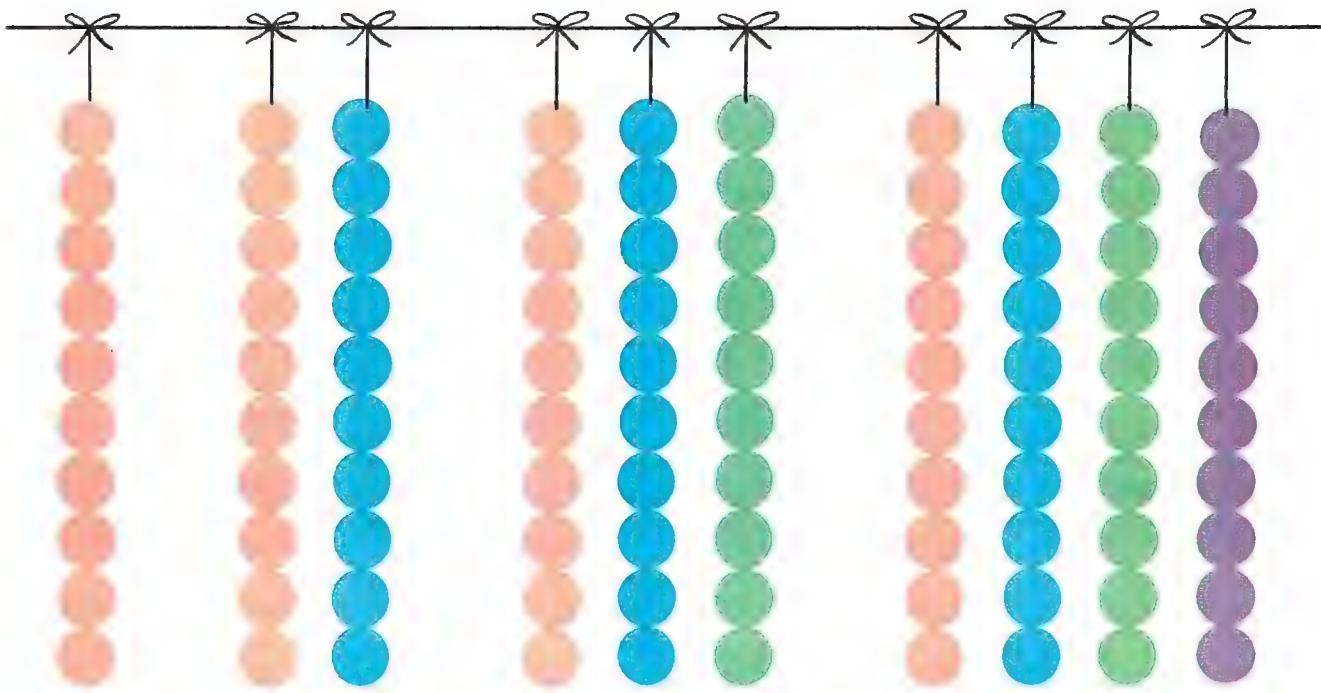


$$\begin{array}{r} 4 \\ + 2 \\ \hline 6 \end{array}$$



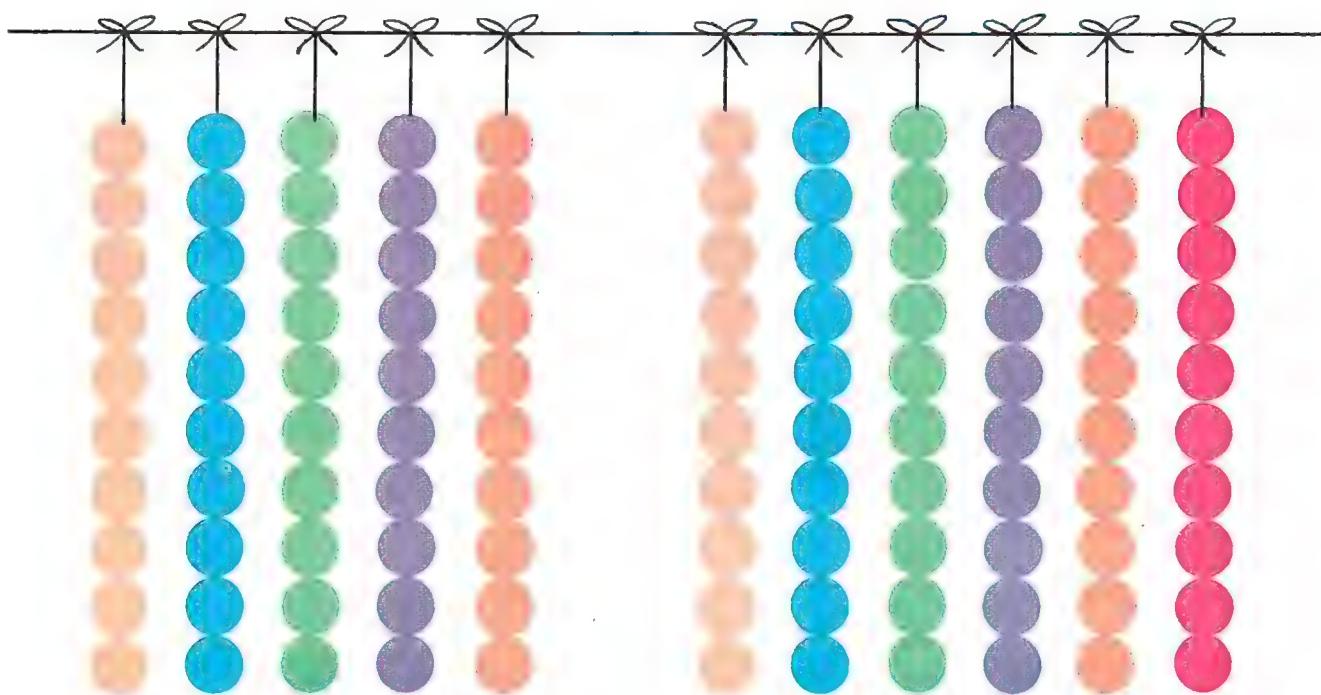
$$\begin{array}{r} 2 \\ + 2 \\ \hline 4 \end{array}$$





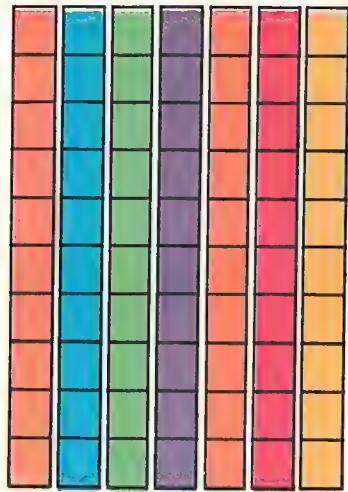
/ ten    2 tens       \_\_\_\_ tens          \_\_\_\_ tens

10            20               30                  40

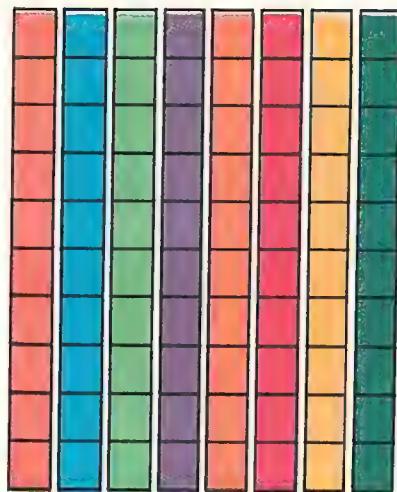


— tens  
50

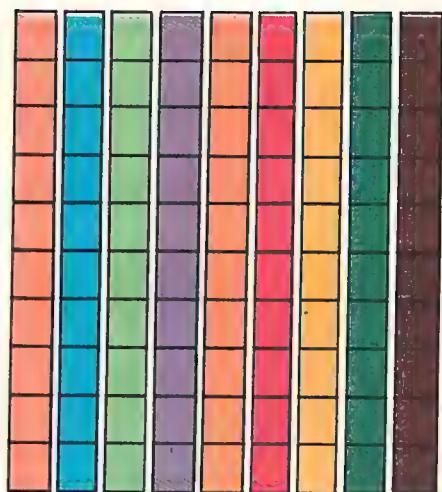
tens  
60



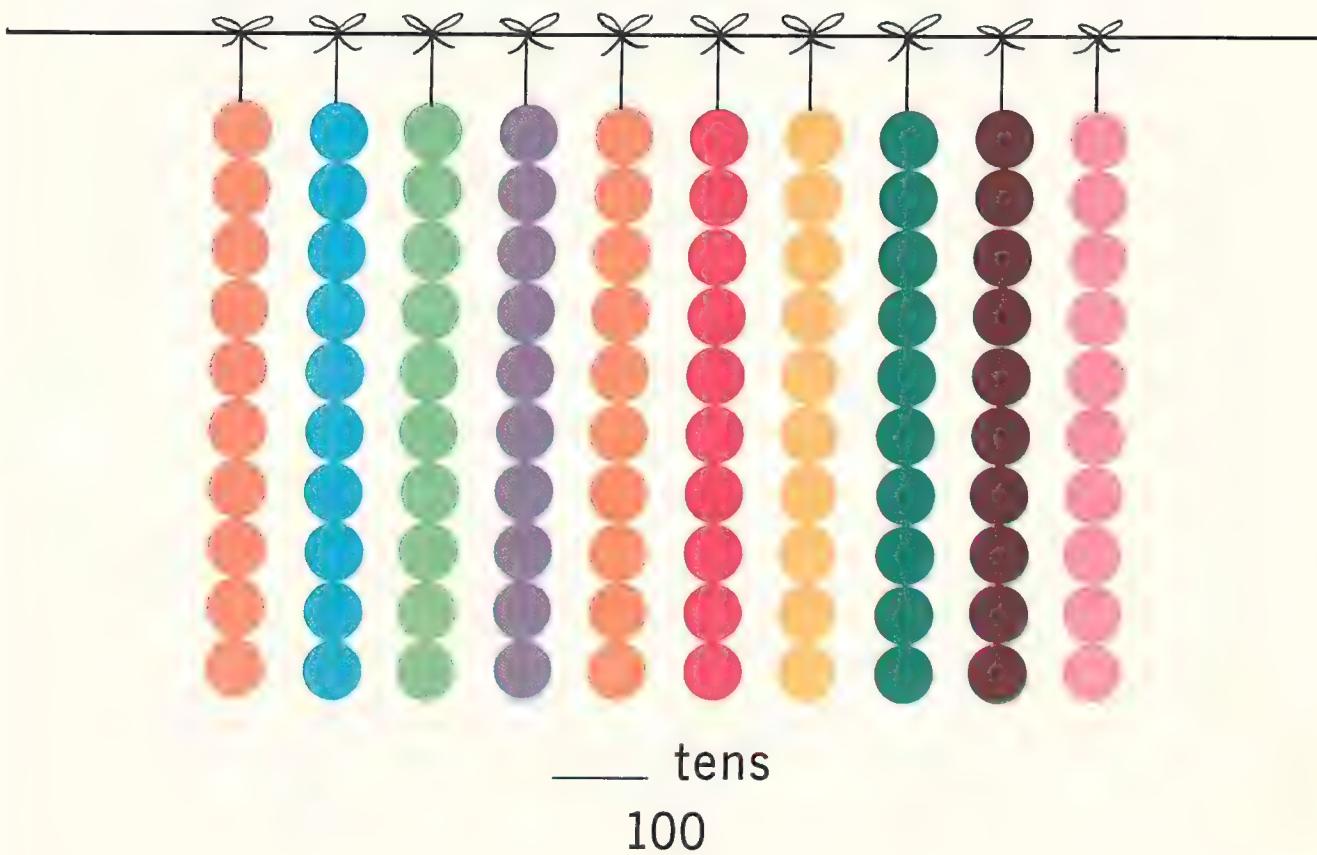
7 tens  
70



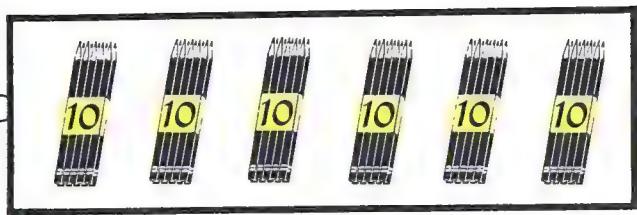
— tens  
80



— tens  
90

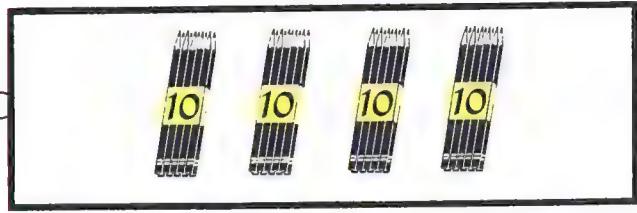


4 tens



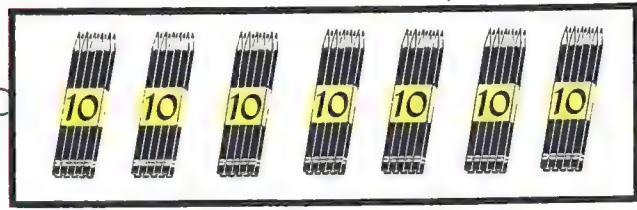
60

6 tens



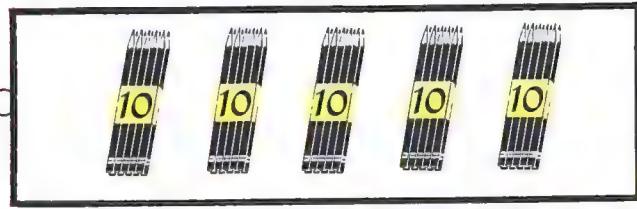
70

7 tens



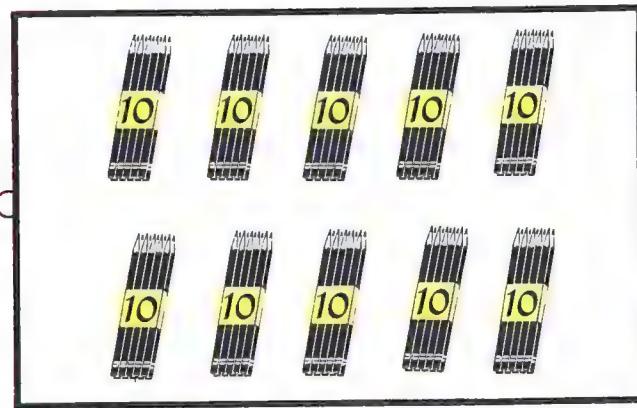
40

5 tens



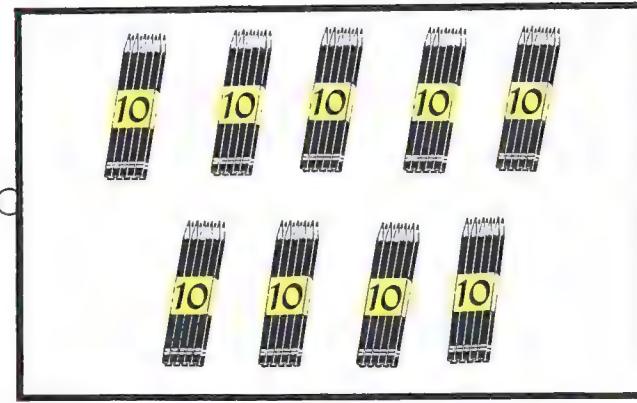
50

9 tens



90

10 tens



100

4 dimes



30¢

3 dimes



40¢

8 dimes



70¢

7 dimes



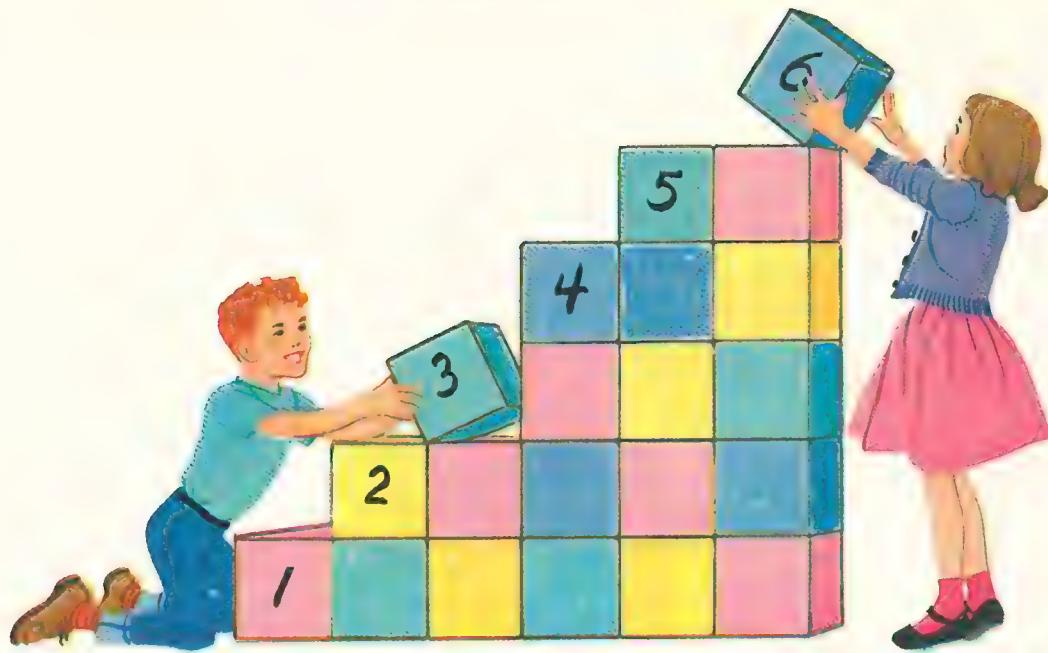
90¢

9 dimes



80¢





1.

Which is more, 5 or 6? \_\_\_\_\_

Which is less, 5 or 6? \_\_\_\_\_

How many more? \_\_\_\_\_

How many less? \_\_\_\_\_

2.

Which is more, 4 or 5? \_\_\_\_\_

Which is less, 4 or 5? \_\_\_\_\_

How many more? \_\_\_\_\_

How many less? \_\_\_\_\_

3.

Which is more, 3 or 4? \_\_\_\_\_

Which is less, 3 or 4? \_\_\_\_\_

How many more? \_\_\_\_\_

How many less? \_\_\_\_\_

4.

Which is more, 2 or 3? \_\_\_\_\_

Which is less, 2 or 3? \_\_\_\_\_

How many more? \_\_\_\_\_

How many less? \_\_\_\_\_



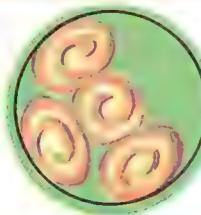
How many? 6



Take away 1.  
How many left?   



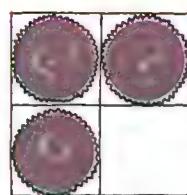
How many? 5



Take away 1.  
How many left?   



How many?   



Take away 1.  
How many left?   



How many?   



Take away 1.  
How many left?   



How many?   



Take away 1.  
How many left?   





I see 6 chairs.  
Take away 1 chair.  
\_\_\_\_ chairs left



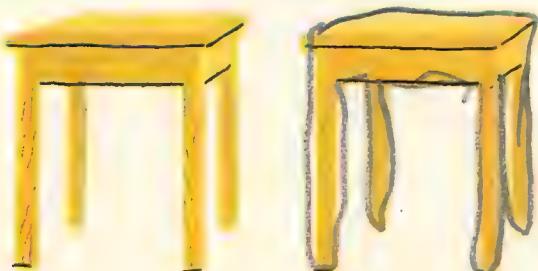
I see 5 cups.  
Take away 1 cup.  
\_\_\_\_ cups left



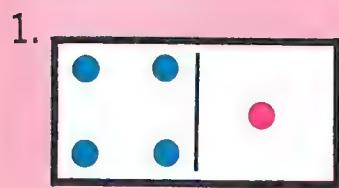
I see 4 books.  
Take away 1 book.  
\_\_\_\_ books left



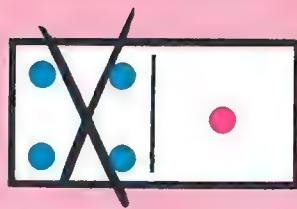
I see \_\_\_\_ pencils.  
Take away 1 pencil.  
\_\_\_\_ pencils left



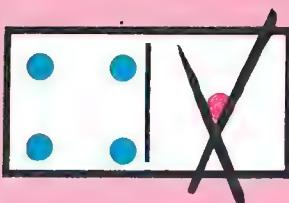
I see \_\_\_\_ tables.  
Take away 1 table.  
\_\_\_\_ table left



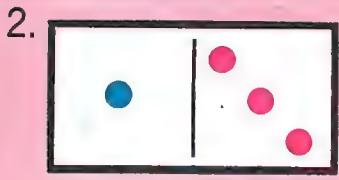
4 and 1  
5 in all



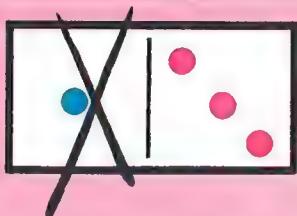
5 take away 4  
1 left



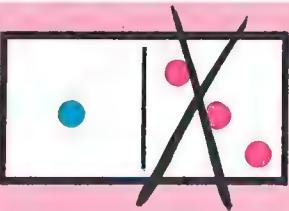
5 take away 4  
1 left



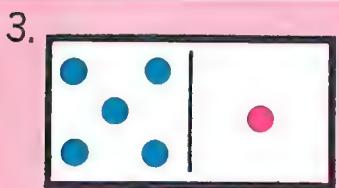
1 and 3  
4 in all



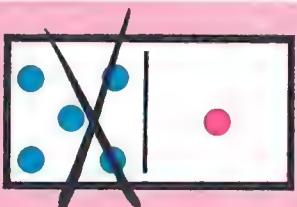
4 take away 1  
3 left



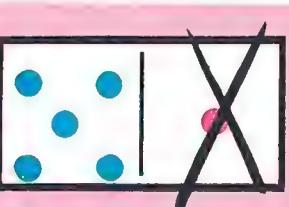
4 take away 3  
1 left



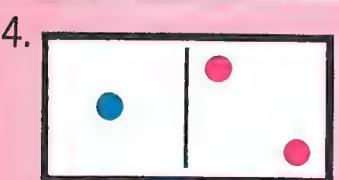
5 and 1  
6 in all



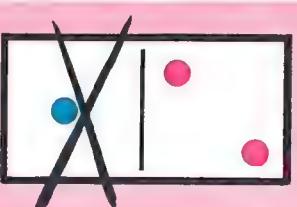
6 take away 5  
1 left



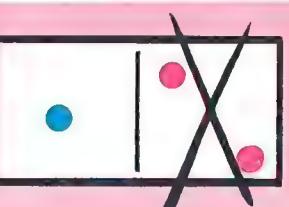
6 take away 1  
5 left



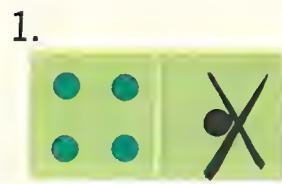
1 and 2  
3 in all



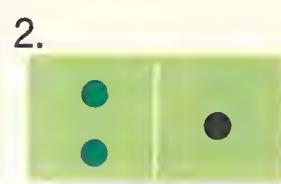
3 take away 1  
2 left



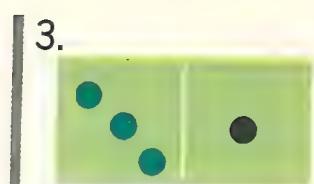
3 take away 2  
1 left



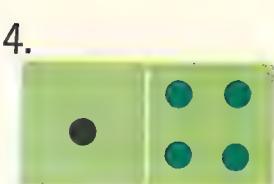
$$\begin{array}{r} 5 \\ -1 \\ \hline 4 \end{array}$$



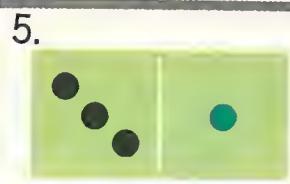
$$\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$$



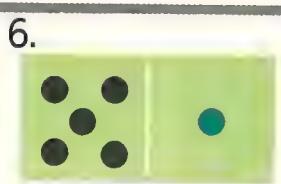
$$\begin{array}{r} 4 \\ -1 \\ \hline \end{array}$$



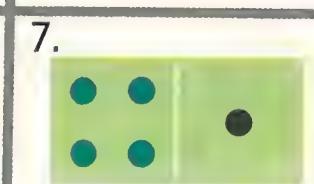
$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$



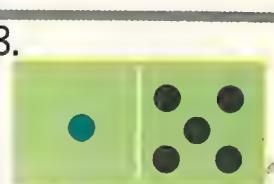
$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$



$$\begin{array}{r} 6 \\ -1 \\ \hline \end{array}$$



$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$



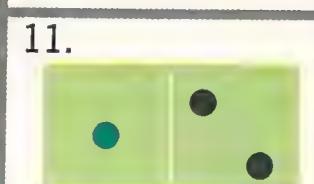
$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$



$$\begin{array}{r} 2 \\ -1 \\ \hline \end{array}$$



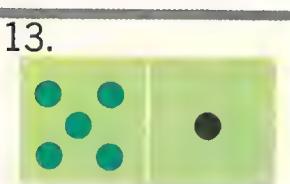
$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$



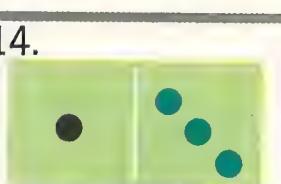
$$\begin{array}{r} 3 \\ -1 \\ \hline \end{array}$$



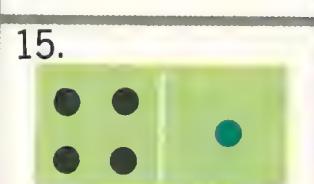
$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$



$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$



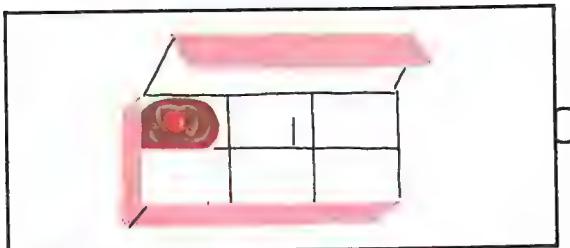
$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$



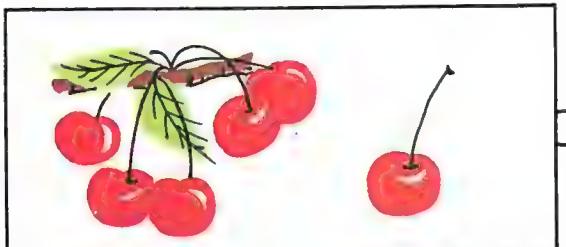
$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$



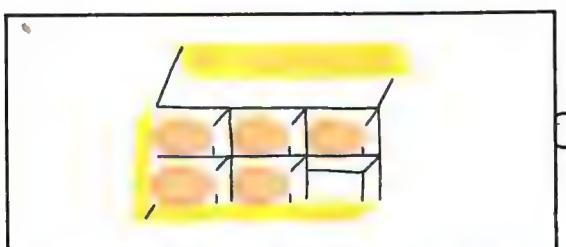
$$\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$$



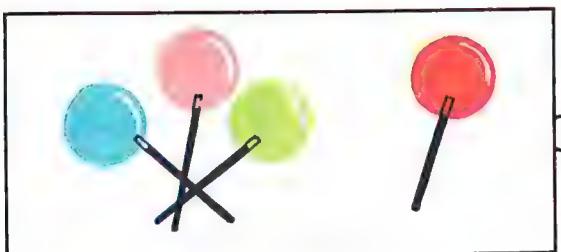
$$\begin{array}{r} 5 \\ + 1 \\ \hline 6 \end{array} \text{ in all}$$



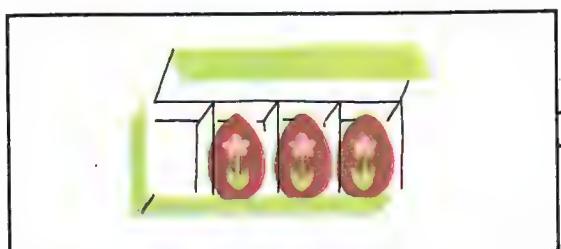
$$\begin{array}{r} 6 \\ - 5 \\ \hline 1 \end{array} \text{ left}$$



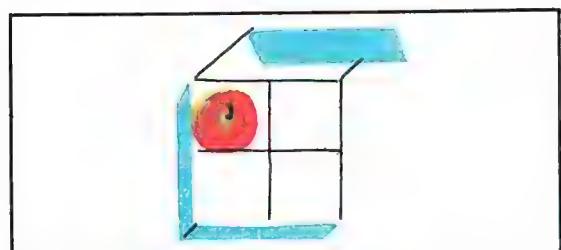
$$\begin{array}{r} 6 \\ - 1 \\ \hline 5 \end{array} \text{ left}$$



$$\begin{array}{r} 3 \\ + 1 \\ \hline 4 \end{array} \text{ in all}$$



$$\begin{array}{r} 4 \\ - 3 \\ \hline 1 \end{array} \text{ left}$$



$$\begin{array}{r} 4 \\ - 1 \\ \hline 3 \end{array} \text{ left}$$

1.



$$\begin{array}{r}
 2 \\
 +1 \\
 \hline
 3
 \end{array}
 \qquad
 \begin{array}{r}
 1 \\
 +2 \\
 \hline
 \end{array}$$

2.



$$\begin{array}{r}
 3 \\
 +1 \\
 \hline
 \end{array}
 \qquad
 \begin{array}{r}
 1 \\
 +3 \\
 \hline
 \end{array}$$

3.



$$\begin{array}{r}
 3 \\
 +2 \\
 \hline
 \end{array}
 \qquad
 \begin{array}{r}
 2 \\
 +3 \\
 \hline
 \end{array}$$

4.



$$\begin{array}{r}
 5 \\
 +1 \\
 \hline
 \end{array}
 \qquad
 \begin{array}{r}
 1 \\
 +5 \\
 \hline
 \end{array}$$

5.



$$\begin{array}{r}
 1 \\
 +4 \\
 \hline
 \end{array}
 \qquad
 \begin{array}{r}
 4 \\
 +1 \\
 \hline
 \end{array}$$

6.



$$\begin{array}{r}
 2 \\
 +4 \\
 \hline
 \end{array}
 \qquad
 \begin{array}{r}
 4 \\
 +2 \\
 \hline
 \end{array}$$

7.



$$\begin{array}{r}
 1 \\
 +2 \\
 \hline
 \end{array}
 \qquad
 \begin{array}{r}
 2 \\
 +1 \\
 \hline
 \end{array}$$

8.



$$\begin{array}{r}
 2 \\
 +2 \\
 \hline
 \end{array}$$

9.

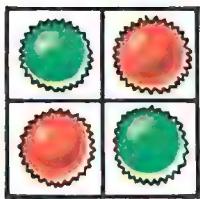


$$\begin{array}{r}
 3 \\
 +3 \\
 \hline
 \end{array}$$

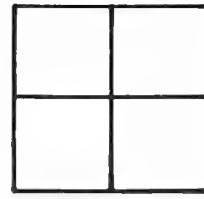
10.



$$\begin{array}{r}
 1 \\
 +1 \\
 \hline
 \end{array}$$



How many? \_\_\_\_\_

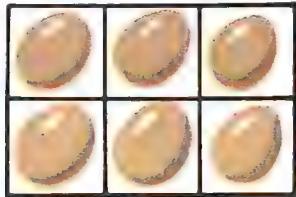


Take away 4

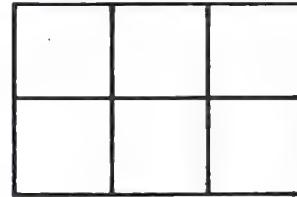
$$\begin{array}{r} 4 \\ -4 \\ \hline 0 \end{array}$$

How many left? 0

---



How many? \_\_\_\_\_



Take away 6

$$\begin{array}{r} 6 \\ -6 \\ \hline \end{array}$$

How many left? \_\_\_\_\_

---



How many? \_\_\_\_\_



$$\begin{array}{r} 2 \\ -2 \\ \hline \end{array}$$

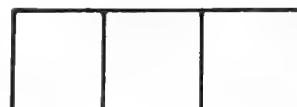
Take away 2

How many left? \_\_\_\_\_

---



How many? \_\_\_\_\_



$$\begin{array}{r} 3 \\ -3 \\ \hline \end{array}$$

Take away 3

How many left? \_\_\_\_\_

---



How many? \_\_\_\_\_

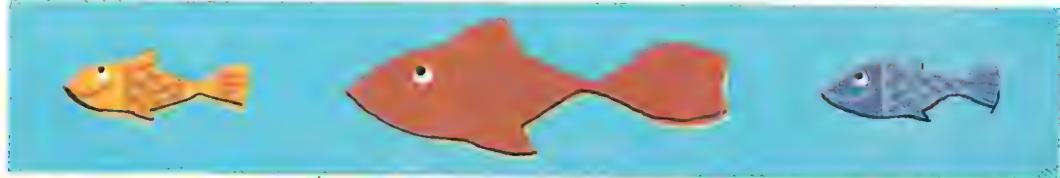


$$\begin{array}{r} 5 \\ -5 \\ \hline \end{array}$$

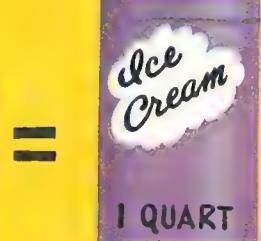
Take away 5

How many left? \_\_\_\_\_

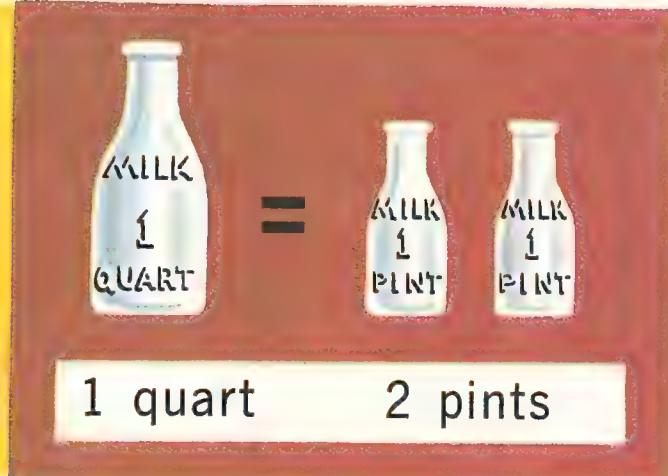
---



2 pints



1 quart



1 quart



2 pints

Which is less?

1 pint

1 quart

1 quart

3 pints

2 quarts

2 pints

3 pints

2 quarts

### Test 3

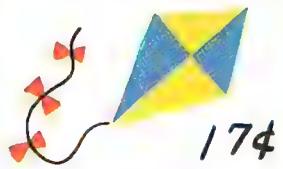
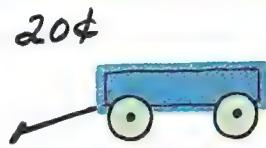
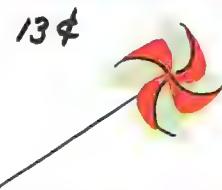
1.



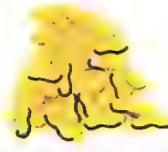
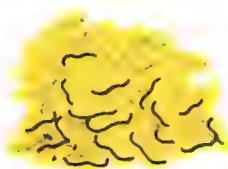
2.



3.



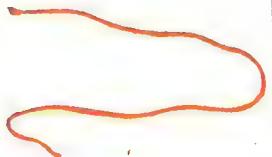
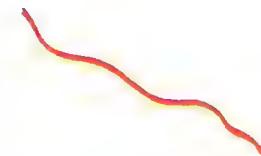
4.



5.



6.



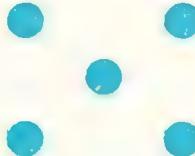
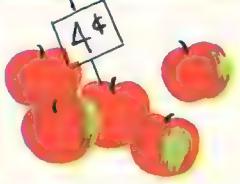
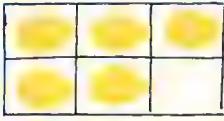
7.



8.



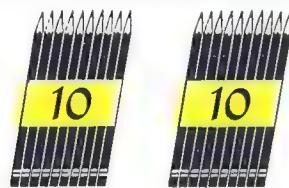
## Test 4

1.	9	14	15	12
2.				
3.		five	four	two
4.	<u>13</u> <u>  </u> <u>15</u>	16	12	14
5.				
6.		$\begin{array}{r} 6 \\ -1 \\ \hline 5 \end{array}$	$\begin{array}{r} 5 \\ -1 \\ \hline 4 \end{array}$	$\begin{array}{r} 4 \\ -1 \\ \hline 3 \end{array}$
7.				
8.		$\begin{array}{r} 3 \\ +1 \\ \hline 4 \end{array}$	$\begin{array}{r} 3 \\ +2 \\ \hline 5 \end{array}$	$\begin{array}{r} 2 \\ +1 \\ \hline 3 \end{array}$



Tens Ones

2	0
2	0



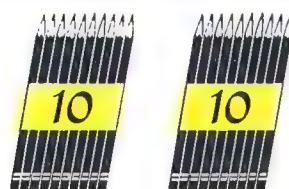
Tens Ones

2 | /

2 /

Tens Ones

2 2



Tens Ones

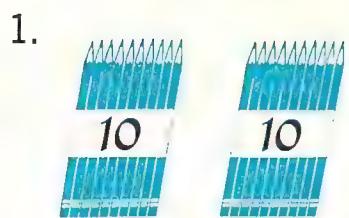
2 |

2 3

Tens Ones

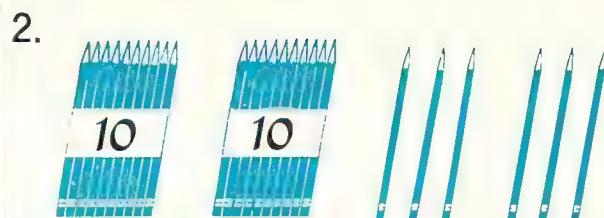
2 |

2 4



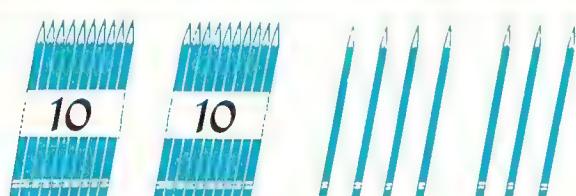
Tens	Ones
2	5

25



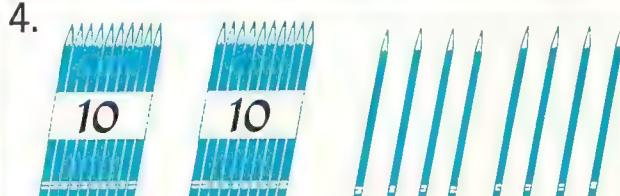
Tens	Ones

26



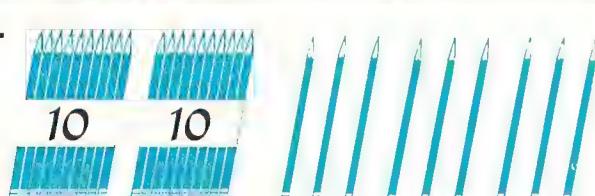
Tens	Ones

27



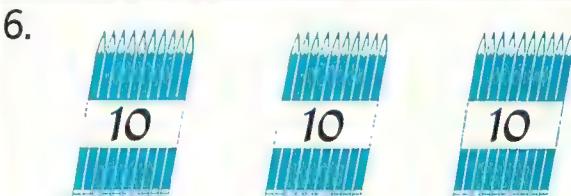
Tens	Ones

28



Tens	Ones

29



Tens	Ones

30

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

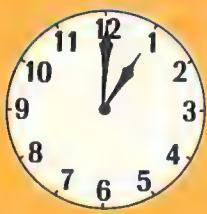
1				6			10
//			14			18	
				25			

<u>16</u>	<u>17</u>	<u>  </u>	<u>19</u>	<u>  </u>	<u>21</u>	<u>  </u>	<u>20</u>	<u>21</u>
<u>21</u>	<u>22</u>	<u>  </u>	<u>24</u>	<u>  </u>	<u>26</u>	<u>  </u>	<u>23</u>	<u>24</u>
<u>18</u>	<u>19</u>	<u>  </u>	<u>18</u>	<u>  </u>	<u>20</u>	<u>  </u>	<u>27</u>	<u>28</u>
<u>28</u>	<u>29</u>	<u>  </u>	<u>27</u>	<u>  </u>	<u>29</u>	<u>  </u>	<u>29</u>	<u>30</u>

Month \_\_\_\_\_ Year \_\_\_\_\_

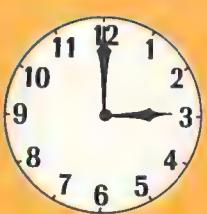
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday

1.



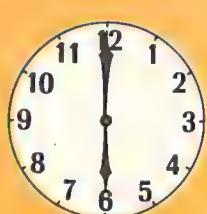
— o'clock

2.



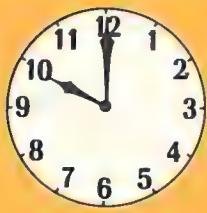
— o'clock

3.



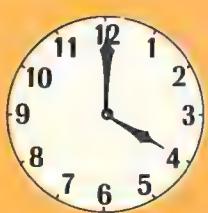
— o'clock

4.



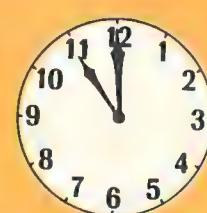
— o'clock

5.



— o'clock

6.

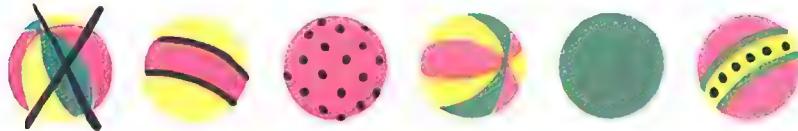


— o'clock



1 and 4 are \_\_\_\_.

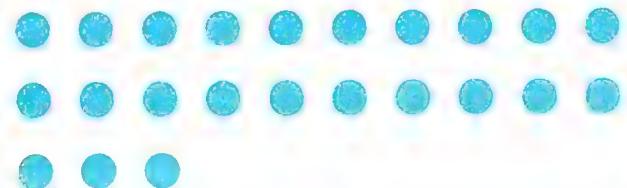
2.



Take 1 from 6.

How many left? \_\_\_\_

3.



2 tens 3 ones

How many? \_\_\_\_

4. Write the numbers.

three \_\_\_\_

five \_\_\_\_

two \_\_\_\_

5.



\_\_\_\_\_¢

6.



\_\_\_\_\_¢

7.



\_\_\_\_\_¢

1

\_\_\_\_\_ inch

1

2

\_\_\_\_\_ inches

1

2

3

\_\_\_\_\_ inches

1

2

3

4

\_\_\_\_\_ inches

1.

Which is more, 3 or 4? \_\_\_\_\_

Which is less, 3 or 4? \_\_\_\_\_

How much more? \_\_\_\_\_

How much less? \_\_\_\_\_

2.

Which is more, 2 or 4? \_\_\_\_\_

Which is less, 2 or 4? \_\_\_\_\_

How much more? \_\_\_\_\_

How much less? \_\_\_\_\_

3.

Which is more, 1 or 4? \_\_\_\_\_

Which is less, 1 or 4? \_\_\_\_\_

How much more? \_\_\_\_\_

How much less? \_\_\_\_\_

4.

Which is more, 1 or 3? \_\_\_\_\_

Which is less, 1 or 3? \_\_\_\_\_

How much more? \_\_\_\_\_

How much less? \_\_\_\_\_



3 lights



3 take away 1

2 left



3 lights



3 take away 2

1 left



3 lights



3 take away 3

0 left



3 trees

3

Take away 1 tree. -1

2 trees left

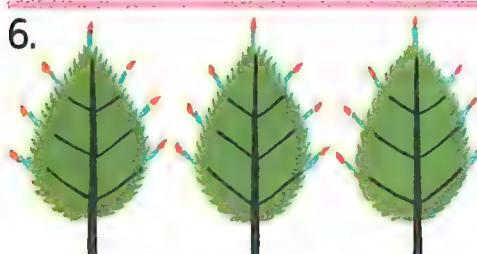


3 trees

3

Take away 2 trees. -2

1 trees left

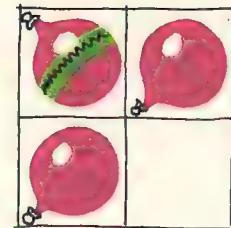
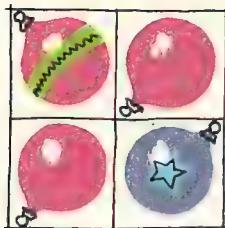


3 trees

3

Take away 3 trees. -3

0 trees left

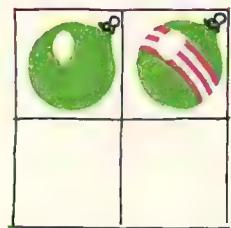
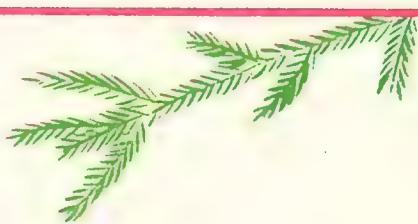
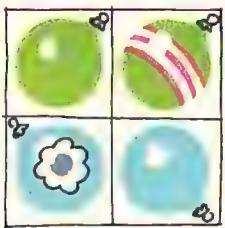


4 balls

4 take away 1.

\_\_\_\_\_ left.

---

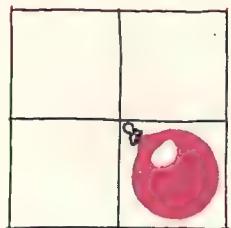
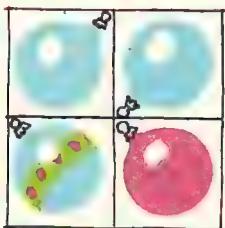


4 balls

4 take away 2.

\_\_\_\_\_ left.

---

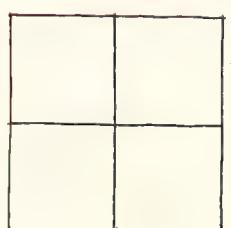
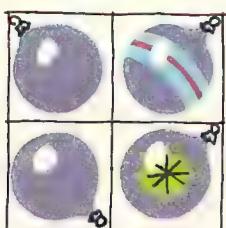


4 balls

4 take away 3.

\_\_\_\_\_ left.

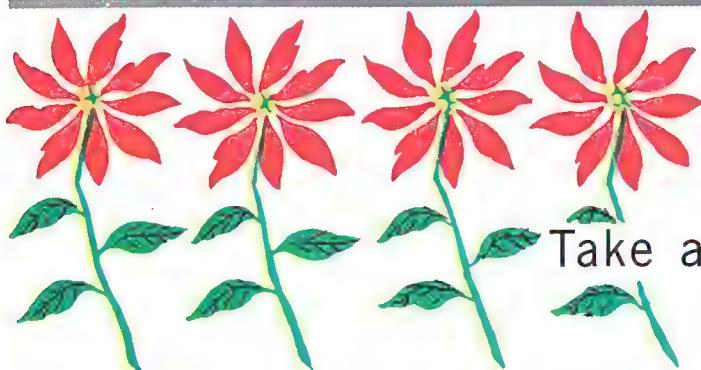
---



4 balls

4 take away 4.

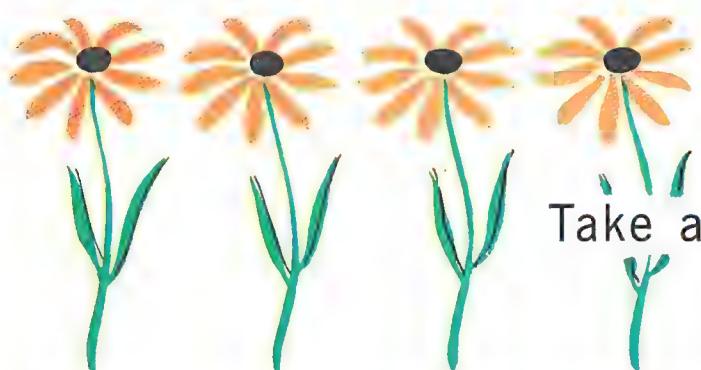
\_\_\_\_\_ left.



4 flowers  
Take away 1 flower

$$\begin{array}{r} 4 \\ - 1 \\ \hline \end{array}$$

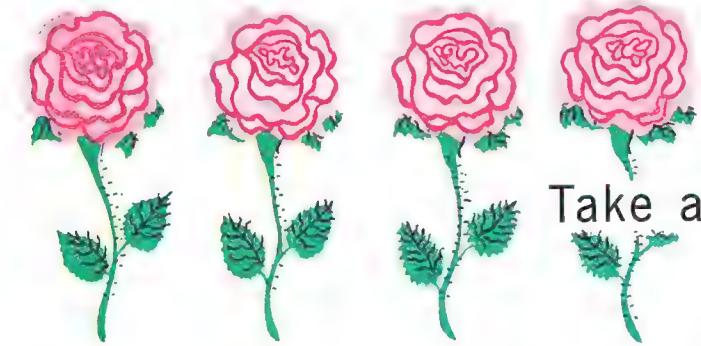
\_\_\_ flowers left



4 flowers  
Take away 2 flowers

$$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$$

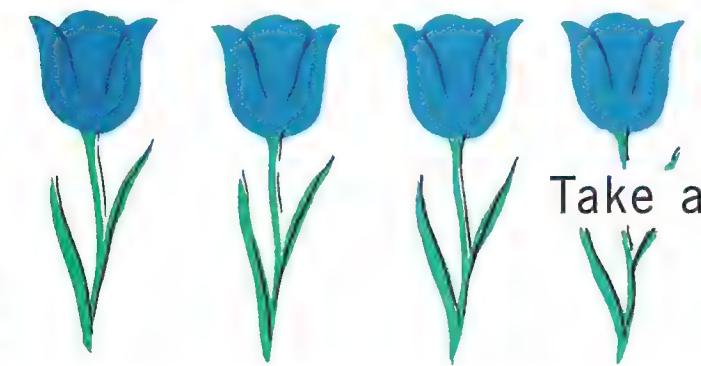
\_\_\_ flowers left



4 flowers  
Take away 3 flowers

$$\begin{array}{r} 4 \\ - 3 \\ \hline \end{array}$$

\_\_\_ flower left

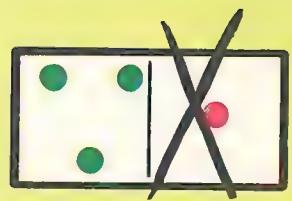
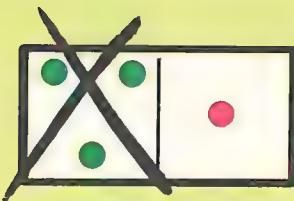
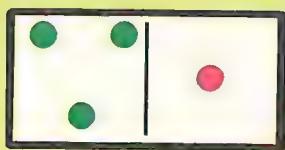


4 flowers  
Take away 4 flowers

$$\begin{array}{r} 4 \\ - 4 \\ \hline \end{array}$$

\_\_\_ flowers left

1.

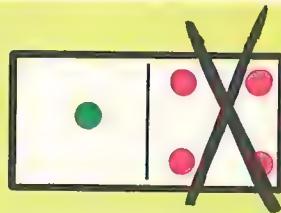
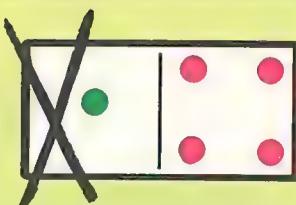
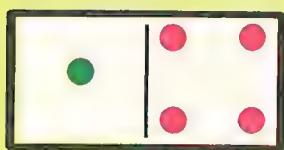


3 and 1  
4 in all

4 take away 3  
1 left

4 take away 3  
1 left

2.

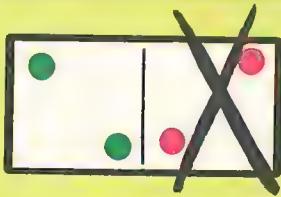
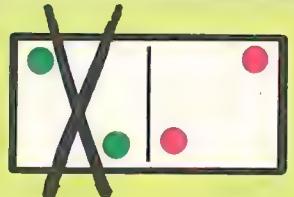
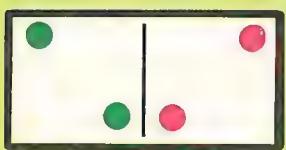


1 and 4  
5 in all

5 take away 4  
1 left

5 take away 4  
1 left

3.

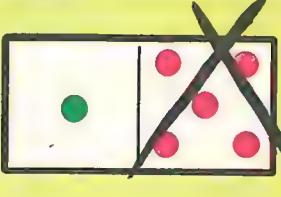
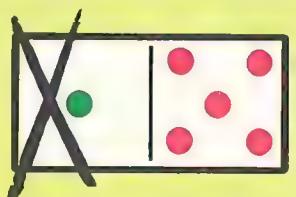
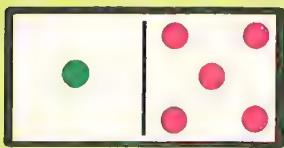


2 and 2  
4 in all

4 take away 3  
1 left

4 take away 3  
1 left

4.



1 and 5  
6 in all

6 take away 5  
1 left

6 take away 5  
1 left

1.



Take 1 from 3.

$$\begin{array}{r} 3 \\ -1 \\ \hline 2 \end{array}$$

How many left?

2.



Take 1 from 4.

$$\begin{array}{r} 4 \\ -1 \\ \hline \end{array}$$

How many left?

3.



Take 2 from 4.

$$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$$

How many left?

4.



Take 2 from 3.

$$\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$$

How many left?

5.



Take 2 from 2.

$$\begin{array}{r} 2 \\ -2 \\ \hline \end{array}$$

How many left?

6.



Take 4 from 4.

$$\begin{array}{r} 4 \\ -4 \\ \hline \end{array}$$

How many left?

7.



Take 3 from 3.

$$\begin{array}{r} 3 \\ -3 \\ \hline \end{array}$$

How many left?

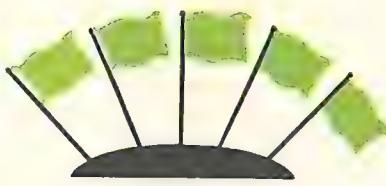
8.



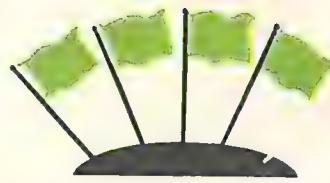
Take 3 from 4.

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

How many left?



How many? 5



5 take away 1  
4 left

$$\begin{array}{r} 5 \\ -1 \\ \hline \end{array}$$

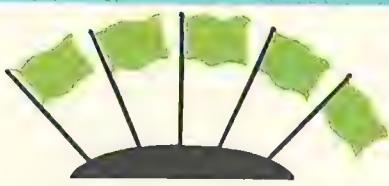
4



5 take away 2

$$\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$$

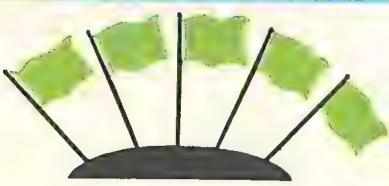
   left



5 take away 3  
2 left

$$\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$$

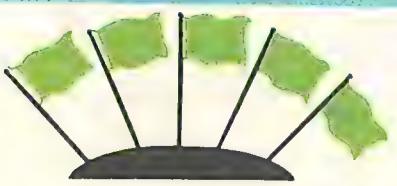
   left



5 take away 4  
1 left

$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

   left



5 take away 5  
   left

$$\begin{array}{r} 5 \\ -5 \\ \hline \end{array}$$

How many?   

   left



1.

5 cans

2 down

3 up

An illustration showing five cans in a row. The first two cans are standing upright, with the word 'up' written below them. The last three cans are lying on their sides, with the word 'down' written below them. The cans have various labels: the first has a corn on the cob, the second has 'AHA', the third has 'MILK', the fourth has 'WATER', and the fifth has a blue and white design.

5.

4 cans      4

2 down      —2

      up

6.

4 cans      4

4 down      -4

\_\_\_\_\_ up



$$\begin{array}{r} 5 \\ -1 \\ \hline \end{array}$$

Take 1 from 5.

$$\begin{array}{r} 5 \\ -1 \\ \hline \end{array}$$

How many left?



$$\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$$

Take 3 from 5.

$$\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$$

How many left?



$$\begin{array}{r} 3 \\ -1 \\ \hline \end{array}$$

Take 1 from 3.

$$\begin{array}{r} 3 \\ -1 \\ \hline \end{array}$$

How many left?



$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

Take 3 from 4.

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

How many left?



$$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$$

Take 2 from 4.

$$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$$

How many left?



$$\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$$

Take 2 from 3.

$$\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$$

How many left?



$$\begin{array}{r} 2 \\ -1 \\ \hline \end{array}$$

Take 1 from 2.

$$\begin{array}{r} 2 \\ -1 \\ \hline \end{array}$$

How many left?



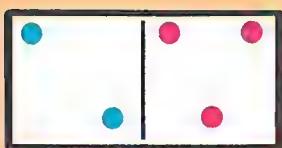
$$\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$$

Take 2 from 5.

$$\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$$

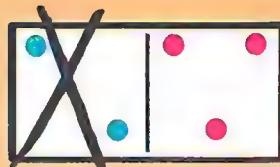
How many left?

1.



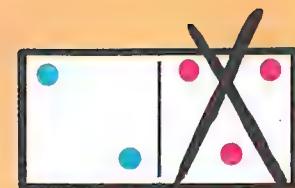
2 and 3

— in all



5 take away 2

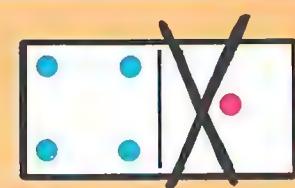
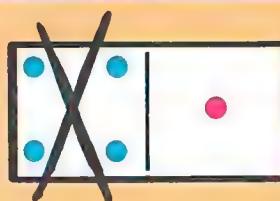
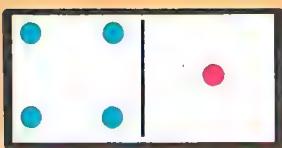
is —.



5 take away 3

is —.

2.



4 and 1

— in all

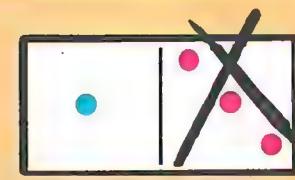
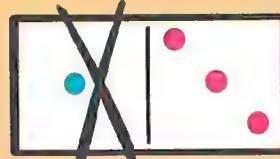
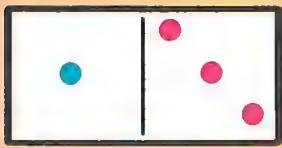
5 take away 4

is —.

5 take away 1

is —.

3.



1 and 3

— in all

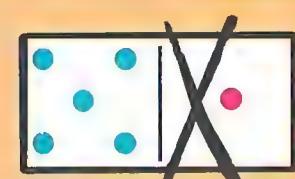
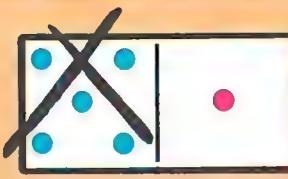
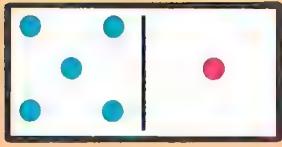
4 take away 1

is —.

4 take away 3

is —.

4.



5 and 1

— in all

6 take away 5

is —.

6 take away 1

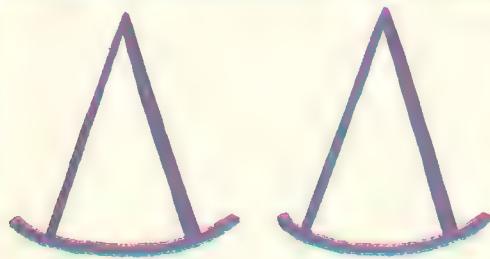
is —.

Draw more to make 5.



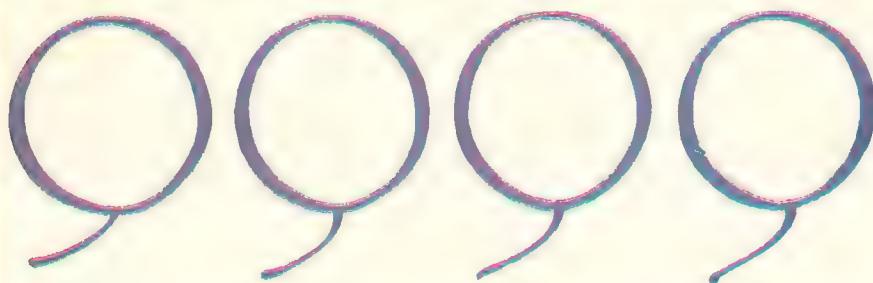
3 and \_\_\_\_ are 5.

---



2 and \_\_\_\_ are 5.

---



4 and \_\_\_\_ are 5.

---



1 and \_\_\_\_ are 5.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

4 tens 6 ones	64	30 and 5	35
6 tens 4 ones	46	50 and 3	53
7 tens 3 ones	73	40 and 7	74
3 tens 7 ones	37	70 and 4	47
2 tens 8 ones	82	90 and 5	59
8 tens 2 ones	28	50 and 9	95

1	2	3		5		7		9	10
11	12		14		16	17	18		20
	22	23		25	26		28	29	
31		33	34		36	37		39	40
41		43		45	46		48		50
52	52		54	55			58	59	
61	62			65			68	69	
71		73	74		76				80
	82		84	85					90
91		93			96			99	100

Count by tens.

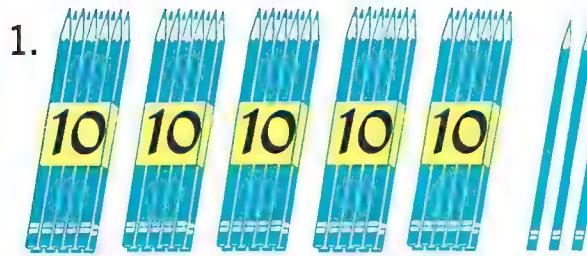
10    20    \_\_\_\_\_    50    \_\_\_\_\_    70    \_\_\_\_\_    100

Write the number.

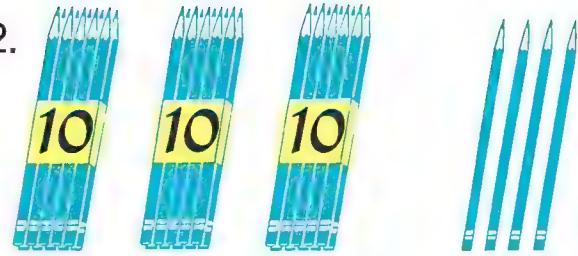
2 tens are \_\_\_\_\_. 5 tens are \_\_\_\_\_. 8 tens are \_\_\_\_\_.

4 tens are \_\_\_\_\_. 7 tens are \_\_\_\_\_. 9 tens are \_\_\_\_\_.

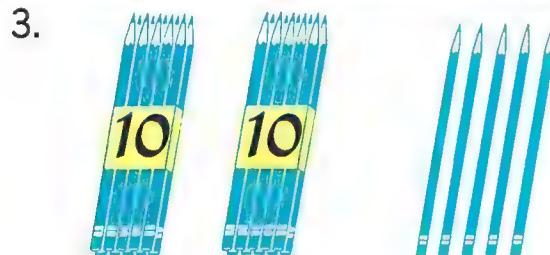
3 tens are \_\_\_\_\_. 6 tens are \_\_\_\_\_. 10 tens are \_\_\_\_\_.



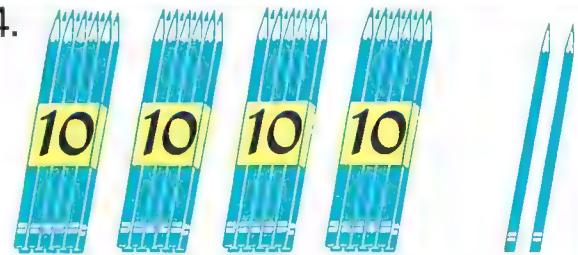
5 tens 3 ones  
In all 53



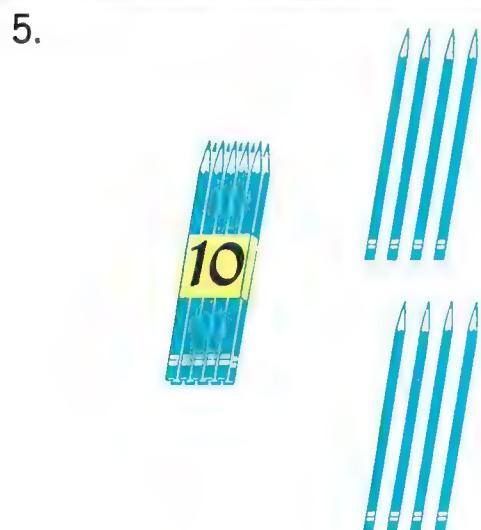
3 tens 4 ones  
In all 34



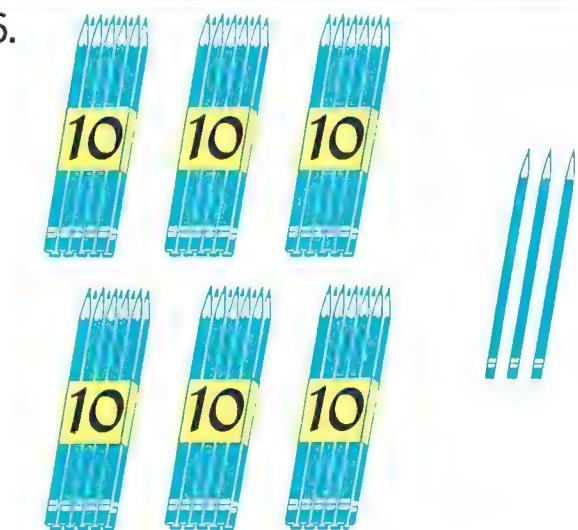
2 tens 5 ones  
In all 25



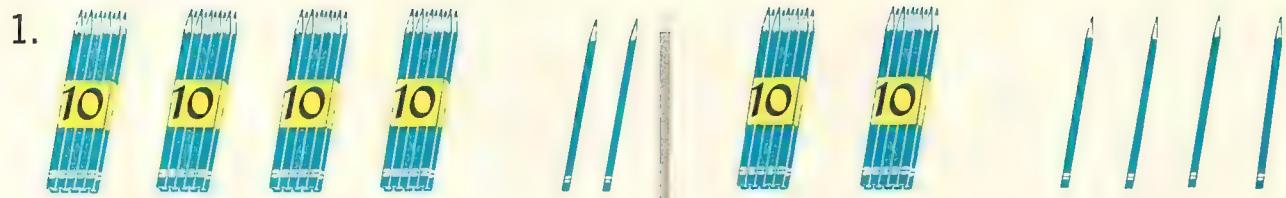
4 tens 1 ones  
In all 41



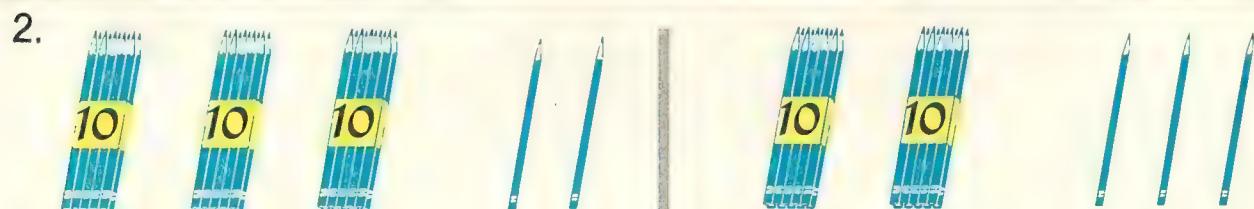
1 ten 5 ones  
In all 15



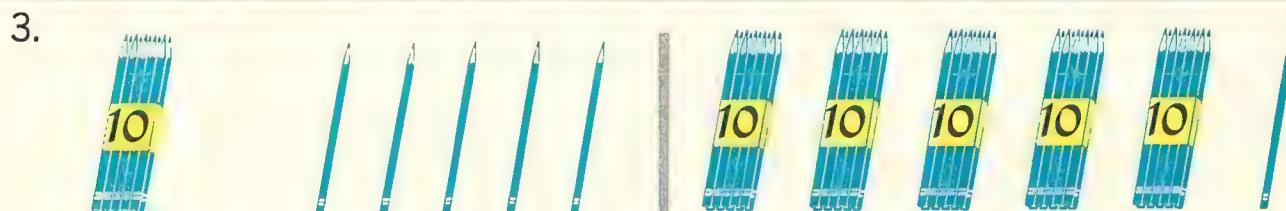
6 tens 3 ones  
In all 63



42 is 4 tens 2 ones. 24 is 2 tens 4 ones.



32 is 3 tens 2 ones. 23 is 2 tens 3 ones.



15 is 1 ten 5 ones. 51 is 5 tens 1 one.

27 is 2 tens 7 ones. 46 is 4 tens 6 ones.

27 is 20 and 7. 46 is 4 and 6.

56 is 5 tens 6 ones. 93 is 9 tens 3 ones.

56 is 50 and 6. 93 is 9 and 3.

38 is 3 tens 8 ones. 39 is 3 tens 9 ones.

38 is 30 and 8. 39 is 3 and 9.

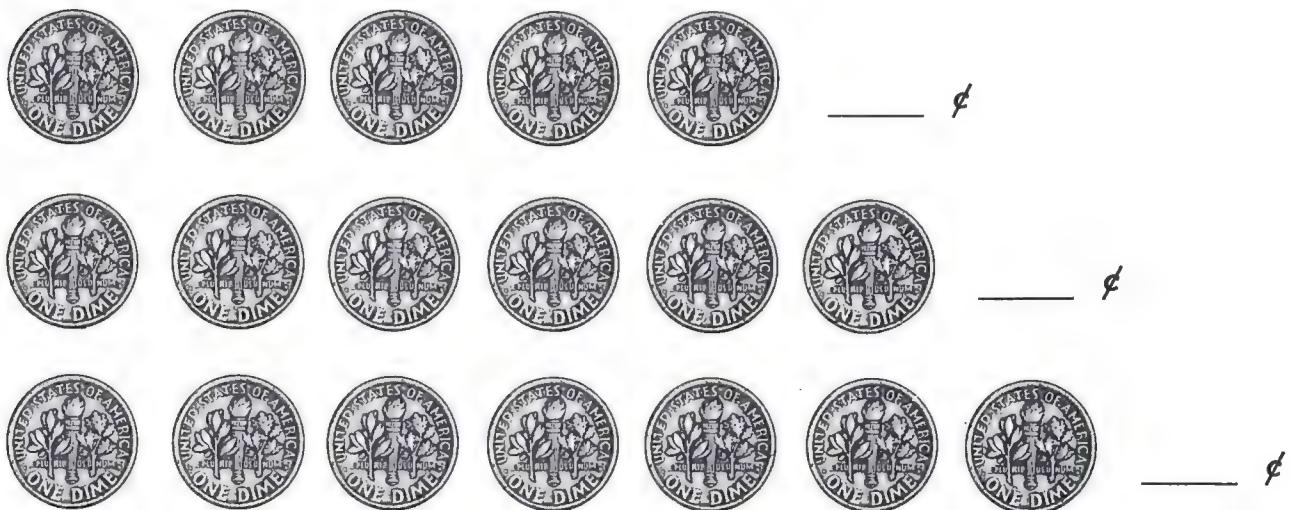


W	
62	26

21	54	45	26

12	54	33

Y	L	E	U	V	O	W
12	21	26	33	45	54	62



1.



¢

2.



¢

3.



¢

4.



¢

5.



¢

6.



¢

7.



¢



Which is more?

50 inches

12 inches

1 pint

1 quart

40 inches

21 inches

2 quarts

1 pint

19¢

10¢

83¢

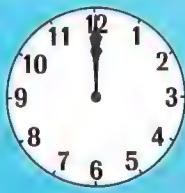
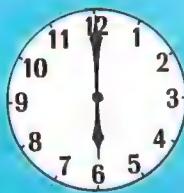
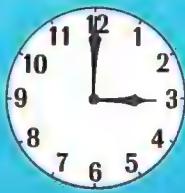
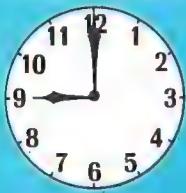
79¢

91¢

20¢

38¢

97¢

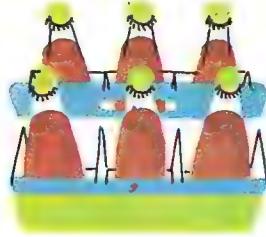


\_\_\_\_\_ o'clock    \_\_\_\_\_ o'clock    \_\_\_\_\_ o'clock    \_\_\_\_\_ o'clock

Month							Year	
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday		

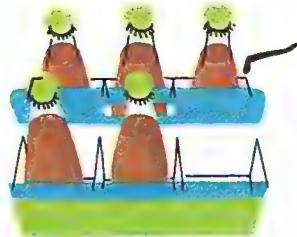


1.



How many? \_\_\_\_\_

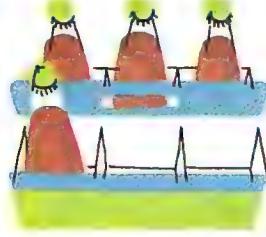
2.



$$\begin{array}{r} 6 \\ -1 \\ \hline \end{array}$$

6 take away 1  
\_\_\_\_\_ left

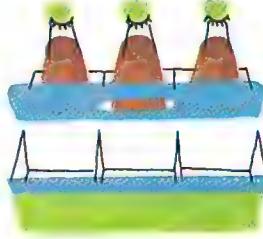
3.



$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$

6 take away 2  
\_\_\_\_\_ left

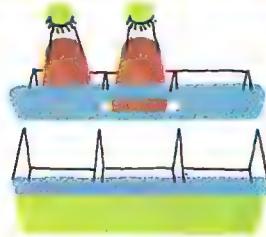
4.



$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

6 take away 3  
\_\_\_\_\_ left

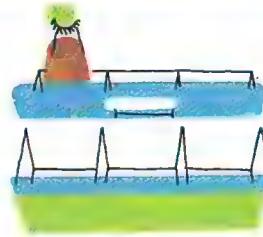
5.



$$\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$$

6 take away 4  
\_\_\_\_\_ left

6.



$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

6 take away 5  
\_\_\_\_\_ left

Take 1 from 6. \_\_\_\_\_ left

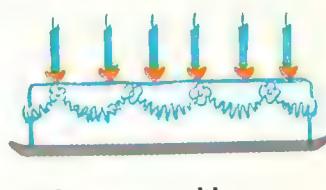
Take 3 from 6. \_\_\_\_\_ left

Take 2 from 6. \_\_\_\_\_ left

Take 4 from 6. \_\_\_\_\_ left

Take 5 from 6. \_\_\_\_\_ left



1.  6 candles $\begin{array}{r} 6 \\ -2 \\ \hline 4 \end{array}$ 2 lights out <u>4</u> lights left	2.  6 candles $\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$ 3 lights out <u>  </u> lights left
3.  6 candles $\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$ 4 lights out <u>  </u> lights left	4.  6 candles $\begin{array}{r} 6 \\ -6 \\ \hline \end{array}$ 6 lights out <u>  </u> lights left

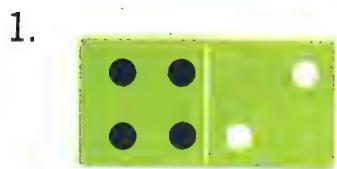


6 take away 2 is \_\_\_\_.

6 take away 3 is \_\_\_\_.

6 take away 4 is \_\_\_\_.

6 take away 6 is \_\_\_\_.



4 and 2 are \_\_\_\_.

2 and 4 are \_\_\_\_.

6 take away 4 is \_\_\_\_.

6 take away 2 is \_\_\_\_.



4 and 1 are \_\_\_\_.

1 and 4 are \_\_\_\_.

5 take away 4 is \_\_\_\_.

5 take away 1 is \_\_\_\_.



5 and 1 are \_\_\_\_.

1 and 5 are \_\_\_\_.

6 take away 5 is \_\_\_\_.

6 take away 1 is \_\_\_\_.



1 and 3 are \_\_\_\_.

3 and 1 are \_\_\_\_.

4 take away 1 is \_\_\_\_.

4 take away 3 is \_\_\_\_.



3 and 2 are \_\_\_\_.

2 and 3 are \_\_\_\_.

5 take away 3 is \_\_\_\_.

5 take away 2 is \_\_\_\_.



1 and 2 are \_\_\_\_.

2 and 1 are \_\_\_\_.

3 take away 1 is \_\_\_\_.

3 take away 2 is \_\_\_\_.



3 and 3 are \_\_\_\_.

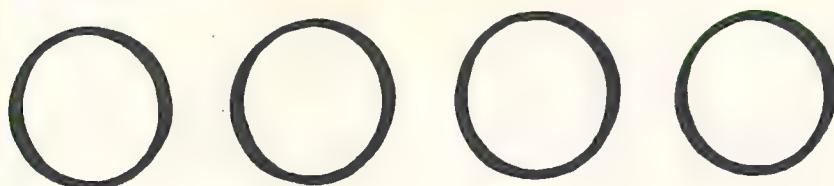
6 take away 3 is \_\_\_\_.



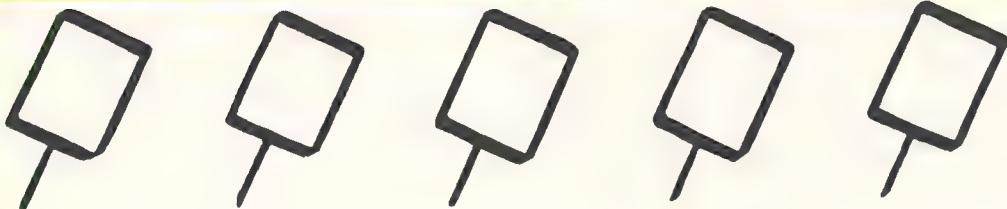
2 and 2 are \_\_\_\_.

4 take away 2 is \_\_\_\_.

Draw more to make 6.



4 and \_\_\_ are 6.



5 and \_\_\_ are 6.



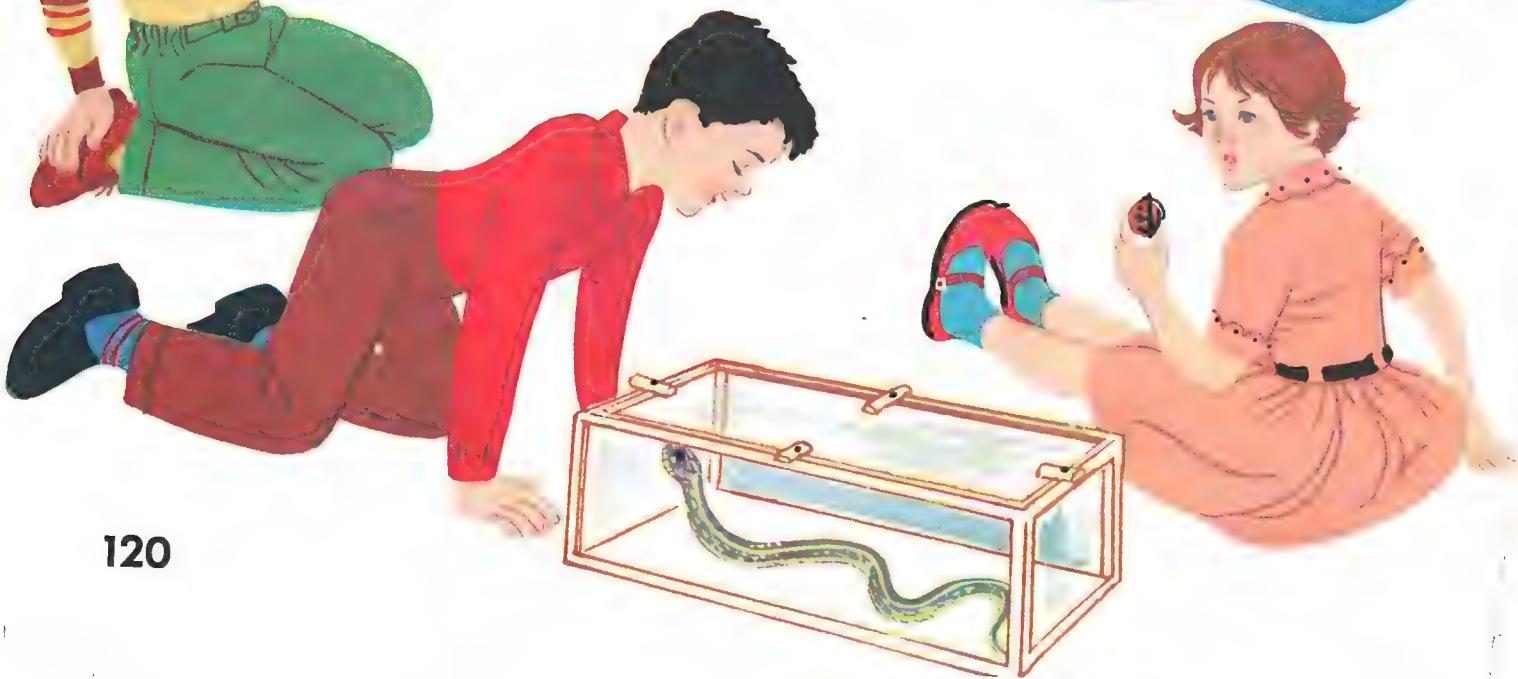
3 and \_\_\_ are 6.



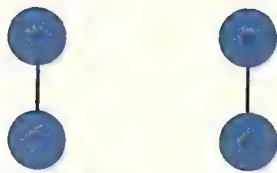
2 and \_\_\_ are 6.



1 and \_\_\_ are 6.



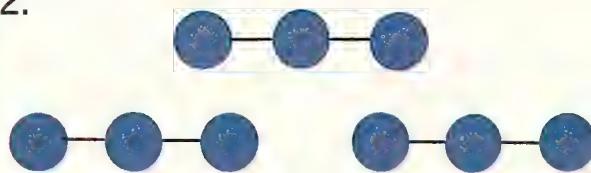
1.



How many in all? \_\_\_\_\_

How many 2's? \_\_\_\_\_

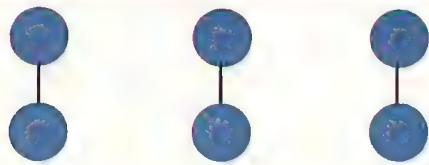
2.



How many in all? \_\_\_\_\_

How many 3's? \_\_\_\_\_

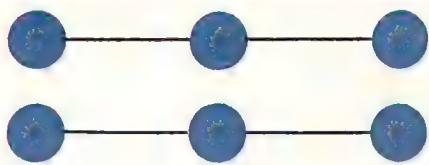
3.



How many in all? \_\_\_\_\_

How many 2's? \_\_\_\_\_

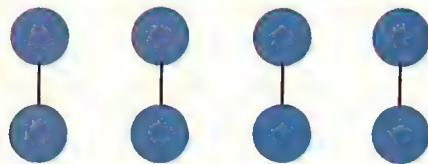
4.



How many in all? \_\_\_\_\_

How many 3's? \_\_\_\_\_

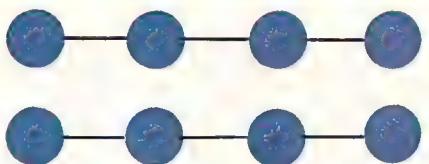
5.



How many in all? \_\_\_\_\_

How many 2's? \_\_\_\_\_

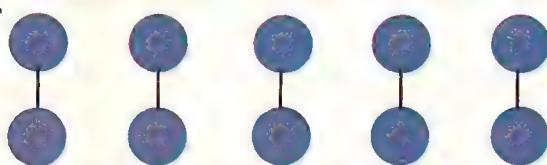
6.



How many in all? \_\_\_\_\_

How many 4's? \_\_\_\_\_

7.



How many in all? \_\_\_\_\_

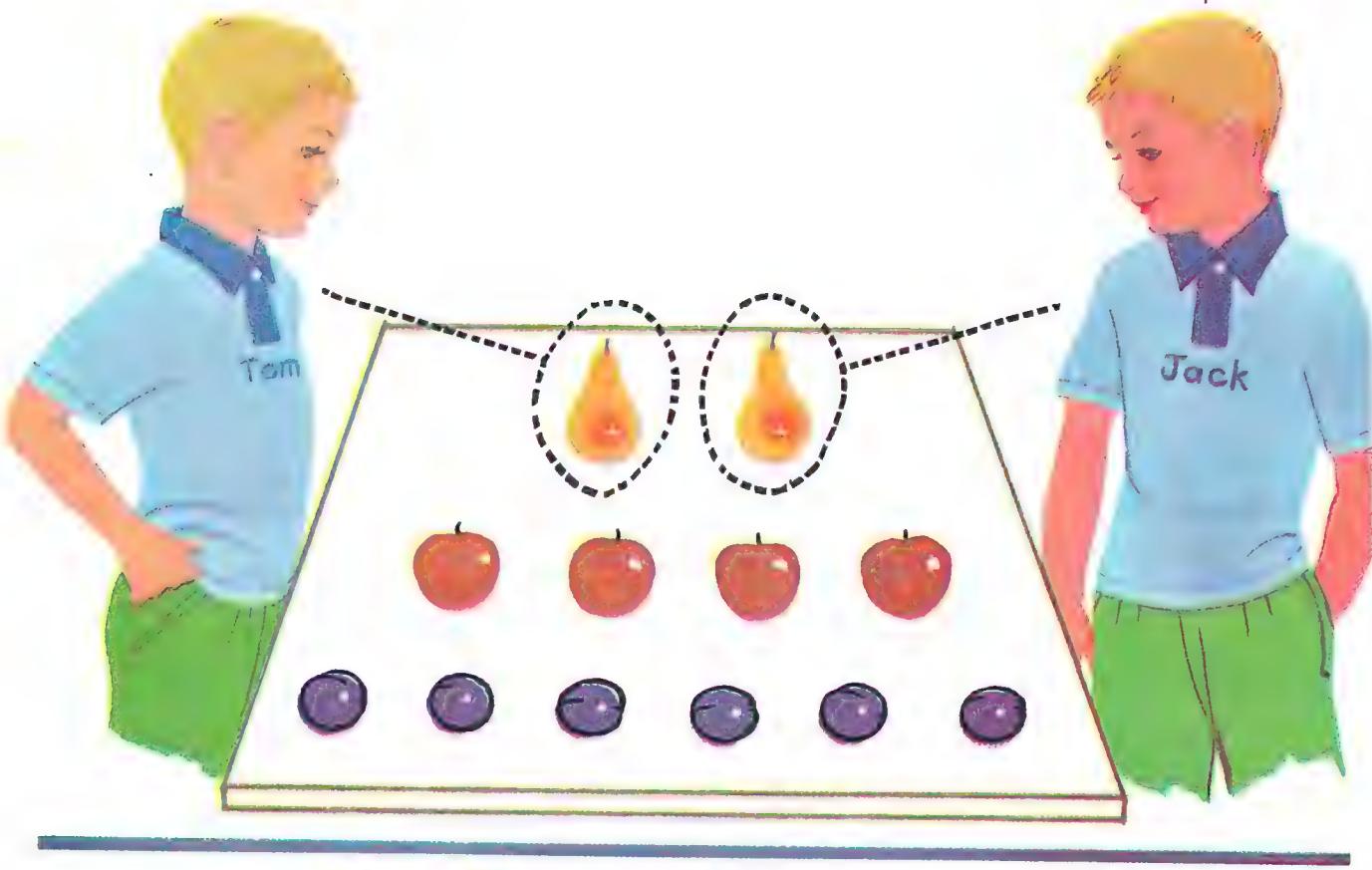
How many 2's? \_\_\_\_\_

8.

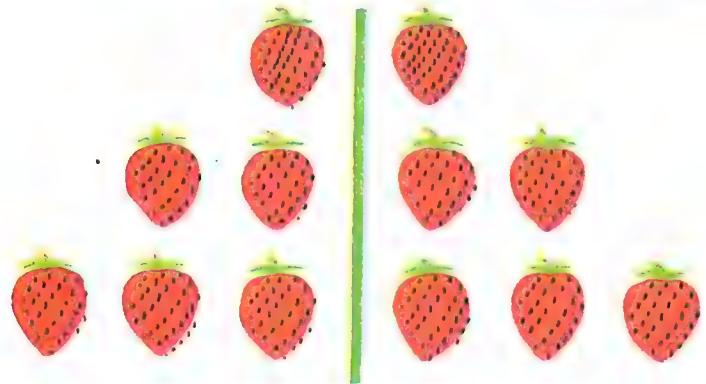


How many in all? \_\_\_\_\_

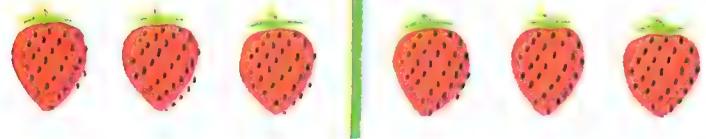
How many 5's? \_\_\_\_\_



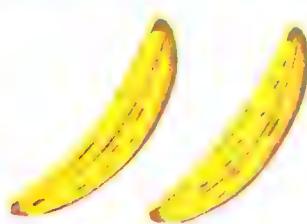
Half of 2 is \_\_\_\_.



Half of 4 is \_\_\_\_.



Half of 6 is \_\_\_\_.



1 and 1 are \_\_\_\_ . 2 and 2 are \_\_\_\_ . 3 and 3 are \_\_\_\_ .

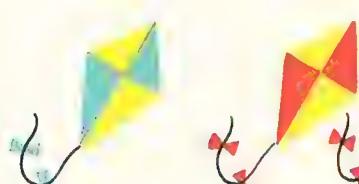
2 ones are \_\_\_\_ . 2 twos are \_\_\_\_ . 2 threes are \_\_\_\_ .

## Number stories about 3



$$\begin{array}{r}
 2 \\
 +1 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 1 \\
 +2 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 3 \\
 -2 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 3 \\
 -1 \\
 \hline
 \end{array}$$

## Number stories about 4



$$\begin{array}{r}
 1 \\
 +3 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 3 \\
 +1 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 4 \\
 -1 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 4 \\
 -3 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 2 \\
 +2 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 4 \\
 -2 \\
 \hline
 \end{array}$$

## Number stories about 5



$$\begin{array}{r}
 4 \\
 +1 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 1 \\
 +4 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 5 \\
 -4 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 5 \\
 -1 \\
 \hline
 \end{array}$$



$$\begin{array}{r}
 3 \\
 +2 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 2 \\
 +3 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 5 \\
 -3 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 5 \\
 -2 \\
 \hline
 \end{array}$$

## Number stories about 6



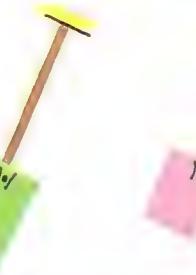
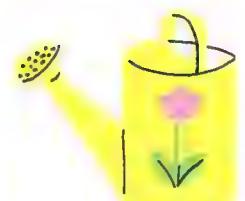
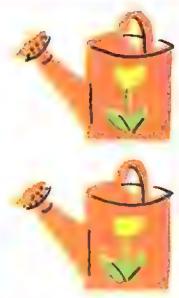
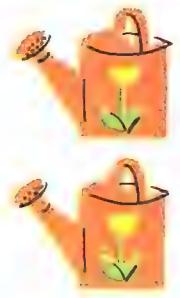
$$\begin{array}{r}
 5 \\
 +1 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 1 \\
 +5 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 6 \\
 -5 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 6 \\
 -1 \\
 \hline
 \end{array}$$



$$\begin{array}{r}
 2 \\
 +4 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 4 \\
 +2 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 6 \\
 -4 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 6 \\
 -2 \\
 \hline
 \end{array}$$



$$\begin{array}{r}
 3 \\
 +3 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 6 \\
 -3 \\
 \hline
 \end{array}$$



$$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 1 \\ \hline \end{array}$$

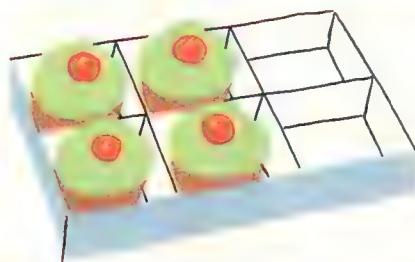
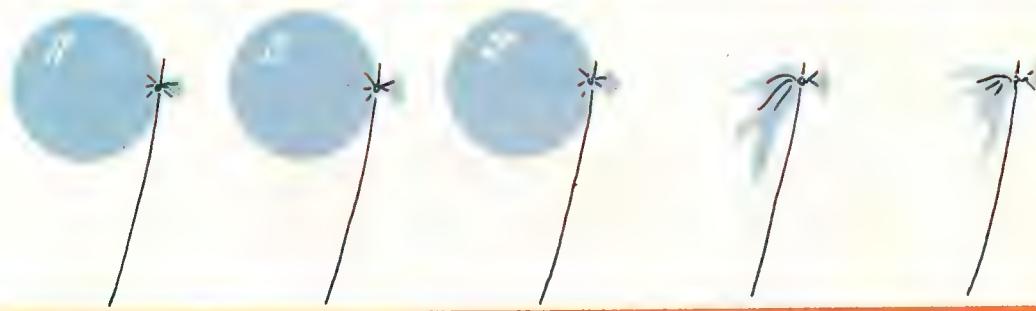
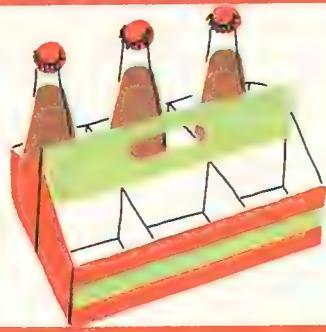
$$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$$



$$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ - 1 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ - 4 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ - 2 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ - 1 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ - 3 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ - 2 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ - 2 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ - 5 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ - 2 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ - 3 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ - 1 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ - 1 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$$

1.

10    20    \_\_\_\_\_    60    \_\_\_\_\_    100

---

2.

11    12    \_\_\_\_\_    14    \_\_\_\_\_    17    \_\_\_\_\_    19    \_\_\_\_\_

---

3.

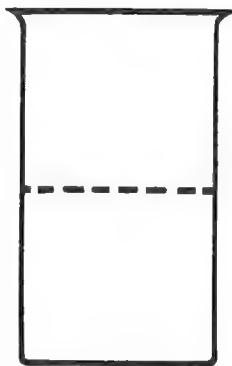
5 tens, \_\_\_\_\_    5 tens and 3, \_\_\_\_\_    5 tens and 6, \_\_\_\_\_

---

4.



5.



6.



7.



— o'clock

8.



$$\begin{array}{r} 4 \\ - 2 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 2 \\ + 3 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 6 \\ - 4 \\ \hline 2 \end{array}$$

9.

three

1    2    3

one

1    3    4

two

3    4    2

five

4    5    6

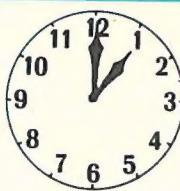
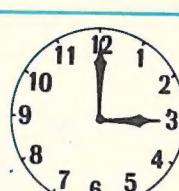
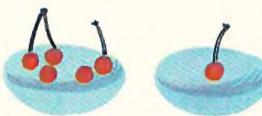
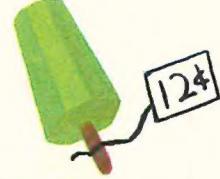
ten

5    6    10

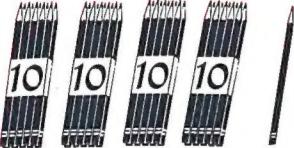
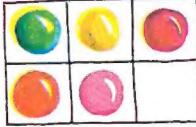
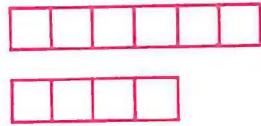
four

3    4    5

## Test 5

1.				
2.	4 inches	6 inches	2 inches	10 inches
3.				
4.				
5.				
6.				
7.				
8.				

## Test 6

1.	81	68	18	79
2.		six	five	four
3.	$59$ $61$	60	58	62
4.		14	5	41
5.		$  \begin{array}{r}  2 \\  +2 \\  \hline  4  \end{array}  $	$  \begin{array}{r}  1 \\  +5 \\  \hline  6  \end{array}  $	$  \begin{array}{r}  2 \\  +4 \\  \hline  6  \end{array}  $
6.		$  \begin{array}{r}  6 \\  -1 \\  \hline  5  \end{array}  $	$  \begin{array}{r}  6 \\  -3 \\  \hline  3  \end{array}  $	$  \begin{array}{r}  6 \\  -2 \\  \hline  4  \end{array}  $
7.		2	4	6
8.	1 and 4 are 5	$  \begin{array}{r}  5 \\  -1 \\  \hline  4  \end{array}  $	$  \begin{array}{r}  1 \\  +4 \\  \hline  5  \end{array}  $	$  \begin{array}{r}  5 \\  -4 \\  \hline  1  \end{array}  $

# To the Teacher

Essential to the use of this Grade 1 text-workbook, *One by One*, of the GROWTH IN ARITHMETIC series is its accompanying Teacher's Edition. The Teacher's Edition gives the objectives and the detailed directions for teaching each page of the pupil's book together with a reproduction of the page in color. It includes many specific suggestions for employing a variety of learning activities and materials of proven value in carrying out a well rounded arithmetic program in the first grade. Anyone examining the book with a view to using it with children should refer to the Teacher's Edition.

This book, *One by One*, used in accordance with the teacher's guide, provides a continuity of activities and experiences necessary for learning the basic number concepts. The learning proceeds from things to pictures, thence to number symbols. The work is planned so that the teacher may effectively utilize children's everyday number needs as materials of instruction in a developmental program of arithmetic.

Meaningful teaching of primary arithmetic employs a variety of sensory experiences: seeing, touching, talking, and hearing are all essential. The pages of this text-workbook are intended to summarize and point up for the child the previous discoveries he has made by taking apart and putting together groups of objects, by comparing the sizes of groups, and through other experiences with concrete materials. The class should use each page as a basis for a discussion under the teacher's guidance before the children finally record the answers in their books. Thus do number concepts grow and become meaningful through repeated practice with objects and pictures and symbols.

The following is an outline of the arithmetical content of Grade 1 of GROWTH IN ARITHMETIC. A complete analysis by pages will be found in the Teacher's Edition.

Counting, rote and rational

Understanding, reading, and writing numbers to 10; to 100

Composition, comparison, and relationship of

numbers through 6; in Teacher's Edition, *optional* for faster learners, through 10

Numbering objects serially

Concept of half and of doubles through 6  
Ordinals through sixth

Needed vocabularies, both spoken and written

Coins (cent, nickel, dime)

Measuring length in inches

Measuring liquids in pints and quarts

Time (clock and calendar)

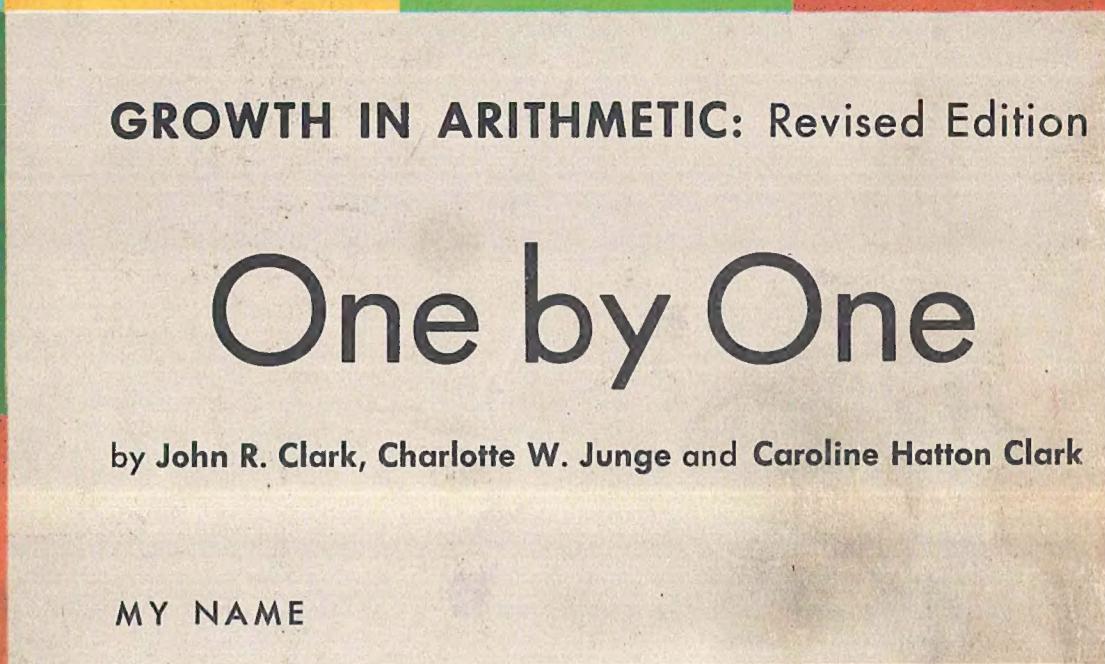
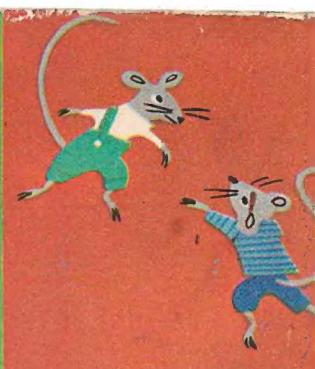
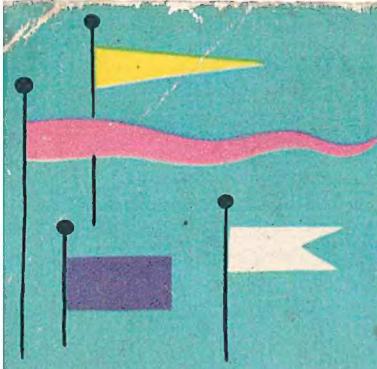
Addition and subtraction, sums and minuends through 6; in Teacher's Edition, *optional* for faster learners to explore, through 10

Problems solved with the aid of concrete materials and pictures

Estimating, generalizing, and reasoning

The reading load in this book is kept at a minimum. All the non-quantitative words are those the pupil is meeting in his reading textbooks and other classroom reading experiences. The strictly arithmetical words such as count, number, many, etc., are given meaning during the readiness and discussion periods, when the pupil hears, understands, speaks, and finally learns to recognize the written form. Thus the pupil is fully prepared to read easily the limited vocabulary used in this book.

For pupils who may not be fully prepared to undertake the usual first-grade work as presented in *One by One*, there is available, in the GROWTH IN ARITHMETIC series, a special non-reading number readiness book entitled *Let's Count*.



MY NAME

